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ASTERS
Vaughan's
Wilt Resistant Strain
(See Page 9)

VAUGHAN'S GARDENING ILLUSTRATED

66TH YEAR · 1942
CHICAGO · NEW YORK

NEW GIANT VARIETIES OFFERED IN

Vaughan's Famous Rainbow Garden of Gladioli



DEARBORN



MINUET



SHIRLEY TEMPLE



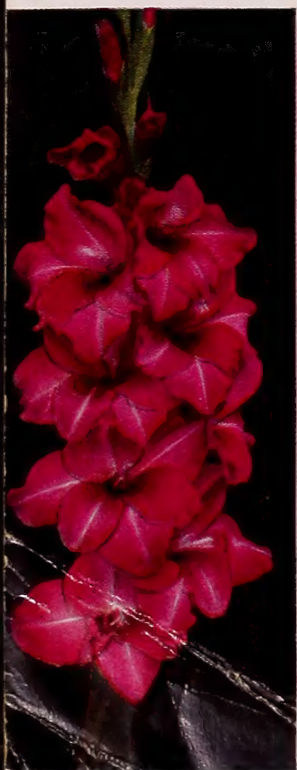
PICARDY



T. J. KNUDSON

One hundred flowering size bulbs, ten each of the ten outstanding varieties illustrated on this page.
Each variety separately bagged and labeled. Prepaid 600 miles for \$2.00.

The reproductions on this page are made, not of exceptional specimens, but of average flowers, reproduced on the same scale of reduction exactly one-fifth life size. For price on each variety see Gladiolus Pages.



RED LORY



MARY SHARY



DR. F. E. BENNETT



MAID OF ORLEANS



BEACON

Vaughan's *FAMOUS RAINBOW* GARDEN of GLADIOLI

100 BULBS
10 EACH OF
10 VARIETIES
Separately Bagged
And Labeled **\$2**

Prepaid
600 Miles

OUR RAINBOW Garden of Gladioli has been further improved this year, in our determination to make this the best Gladiolus value offered to American home gardeners.

Only those who are familiar with Gladioli will realize what a value this is. Each of the ten varieties is recognized by fanciers as among the very finest in its color. With this collection; for a fraction of what one single bulb of any one of these varieties would have cost a short time ago, you will have a Gladiolus garden which few can equal.

The bulbs in this collection are not first size, but they are of flowering size, they are the kind we use in growing exhibition flowers. They take a little longer to bloom than large bulbs do, but the size and quality of the flowers, and the crop of bulbs produced for your next year's planting, are equal to the products of the largest bulbs.

Visit Ovid, Mich., at Gladiolus Time

At Ovid, Mich., where Vaughan's Gladiolus Farms are centered, a Gladiolus Festival has become an annual event, attracting thousands of visitors for whom the principal attraction are great fields of flowers on the Vaughan farms.

Vaughan's Seed Store is the largest grower of Gladiolus bulbs in the world.

Located on Michigan route 21, 13 miles west of Owosso, the farms and display garden begin to show flowers about July 15 and from then until Oct. 1 are a sight worth traveling far to behold. Visitors are welcome during the flowering season.

TEN EACH OF THESE TEN:

BEACON. Tall giant flowered salmon-scarlet, one of the largest of all with magnificent plume effect.

MRS. T. J. KNUDSON. Clear light violet of medium size, strong grower, and a prize winner wherever shown.

RED LORY. A giant exhibition red which has few rivals in the shows.

SHIRLEY TEMPLE. Rich cream, almost white, with richer cream throat. Six to eight very large, beautifully ruffled flowers open at one time. A spike, equal to Picardy or Miss New Zealand without coarseness.

DEARBORN. Immense spike of deep light orange florets, each 5 to 6 inches across. Unrivaled in its color. Early.

DR. F. E. BENNETT. Tall, vigorous spike of exhibition size, bright scarlet flowers with faint white markings in throat.

MAID OF ORLEANS. A giant white bred by Pfitzer, with the typical mammoth florets of his strain; milky white, cream throat.

MARY SHARY. Tallest and largest of all the yellows; a soft primrose, deeper in the throat, unfading in the brightest sun, or under artificial light. Spike straight, growth vigorous.

MINUET. True orchid coloring, giant flower, tall spike, vigorous grower, unquestioned leader of its color.

PICARDY. Still undisputed champion of all. Huge spike, with immense florets, often ten open at once. Ruffled, apricot pink.

After April 1st it may be necessary to change this collection.

Copyright, by
Vaughan's Seed Store,
1942

ONE-HALF
PORTION
50 BULBS \$1

You may order half a Rainbow Garden Collection, 5 bulbs each of the 10 varieties listed above, prepaid for \$1.00

View of Five-acre Trial Grounds at Ovid, Mich., where hundreds of new Varieties are tested annually.

CHEROKEE BRAVE



THESE are varieties that have proved their merit, and both in garden display and on the exhibition tables, won rank among the best.

Only a chosen few of the new varieties introduced each year win a place on the list of proven champions. All these varieties have stood the test, and demonstrated that besides their giant size and fine coloring, they have the qualities of vigorous growth and free flowering. There is no difficulty about getting giant flowers from these varieties, if you follow the simple directions which we furnish with each order. So do not hesitate to join the ranks of the happy Dahlia fans!

Cherokee Brave. I. D. Ox-blood red that holds its color in the hottest sun. It blooms early, is very prolific especially so for such large blooms which can be grown up to 12 inches. It has been a successful and consistent winner on the show table, as it has long straight stems, a great prize winner that has done well in many sections, especially in the Midwest and South. Won as the best undisseeded Seedling for two consecutive years at Atlanta before being introduced. Price, each, \$1.50.

Cherokee Rose. I. D. Lavender rose, medium size, free continuous bloomer. Each, 50c.

Darcy Sainsbury. F. D. An outstanding white winner of many prizes. Each, \$1.00.

Incandescent. I. D. A rich rosy buff suffused yellow and light old-rose. Each, 75c.

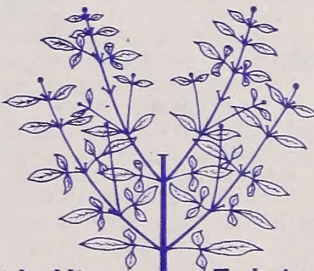
Katie K. I. D. A clear pink of large size on long stems. Each, \$1.00.

Kentucky Sun. F. D. Fine yellow producing quantities of large uniform blooms on strong stems. Each, 50c.

Leland Stanford. I. D. Bright cardinal red of immense size and perfect form. Each, 75c.

Monarch of the East. F. D. A golden bronze with a coral red reverse. A real giant. Each, 50c.

The Collection for \$4.65



Disbudding Technique

The Diagram shows a Typical Dahlia Plant which was pinched back after making the first four leaves, and thereafter disbudded and disbudded to produce 10 exhibition flowers.

You Can Grow Giant
DAHLIAS
 8 Champion Varieties of Rainbow Colors
\$4.65
 One Each of These Eight Varieties, Value \$6.50. (Prepaid 300 Miles), For \$4.65

Five of the Best and Newest

\$10.25 Value for \$7.65

(Prepaid 300 Miles.)

Cheer Leader. F. D. Self color of rose pink with good stem. Each, \$2.00.

Glamour. I. D. Light purple edged amaranth. Each, \$1.75.

Mayor Frank Otis. I. D. Soft rich golden yellow with a touch of coppery shading. Each, \$2.00.

Premier Winsome. I. D. A clear mellow pink. Each, \$2.50.

Your Lucky Star. S. C. Clear lavender with white center. Each, \$2.00.

For complete description, see pages 92-93.

Ten Prize Winning Giants for . . . \$2.00
 Value \$2.80. Prepaid 300 Miles

Avalon. F. D. Clear yellow. Each, 25c.

City of Wellston. I. D. Rhodamine purple. Each, 25c.

Jane Cowl. I. D. A warm buff and old gold, salmon center. Each, 25c.

Jersey's Beauty. F. D. Perfect formed true pink. Each, 25c.

Josephine G. S. C. Rose pink, tipped yellow. Each, 25c.

Mrs. George Le Boutillier. I. D. Velvety carmine. Each, 35c.

Omarr Khayyam. F. D. Chinese red and bright orange. Each, 25c.

Rose Glory. F. D. Pure deep rose-pink. Each, 35c.

Rose Fallon. F. D. Dark orange tinted with amber and salmon. Each, 25c.

White Wonder. F. D. Giant blooms of pure white. Each, 35c.

Total each price \$2.80
 Collection for 2.00

For complete description, see pages 92-93.

6 Everblooming Hybrid Tea ROSES FOR \$3 90

ALL these Roses will bloom in your garden this summer, if planted according to simple directions furnished with the plants. Before winter comes they should have borne for you hundreds of lovely blossoms, beginning in June and continuing without interruption until killing frosts. Our plants are finest two-year grafted plants that are produced. The varieties are all of the newest type, some of the very latest to make their debuts. Plant dormant plants as early as you can and if you must plant late, use our hardened pot plants, ready in bud, May 1.



CHRISTOPHER STONE

Christopher Stone. Classed with Etoile de Holland and Crimson Glory as one of the three finest red Roses in existence. The plants grow well, have heavy foliage, and all season they produce quantities of brilliant, glowing, velvety scarlet blooms of good form. Delicious Old Rose fragrance. Dormant plants, \$1.00; pot plants, \$1.25.

Condesa de Sagato. Everyone liked this spectacular Rose with its cupped flowers of orange-scarlet on the inside and yellow on the reverse. Strong grower with heavy foliage; fragrant, free flowering. Dormant plants, 85c; pot plants, \$1.10.

Cynthia. A superb new variety which we know will please every Rose lover. The exceptionally well-formed buds are on stiff stems and open into full double flowers of a rich glowing oriental red or brilliant carmine. A vigorous grower and an outstanding cut flower variety. Dormant plants, 85c; pot plants, \$1.10.

Duquesa de Penaranda. This glorious Rose produces two distinct types of flowers. In summer the pointed buds are apricot-orange and dark pink opening to splendid blooms of coppery apricot. In autumn great brownish buds open slowly to finely formed flowers of a luscious cinnamon-peach color. Dormant plants, \$1.00; pot plants, \$1.25.

Editor McFarland. Perfectly formed, lasting, brilliant rose-pink flowers, excellent for cutting. Its vigorous growth, healthy foliage and abundance of fragrant bloom make it most dependable. Dormant plants, 85c; pot plants, \$1.10.

Golden Dawn. Noted for its quantity of bloom and considered the finest light yellow garden Rose. Buds lemon yellow, splashed with carmine, open to great big fragrant flowers of pale straw yellow. Bushy, vigorous grower, bronzy green foliage. Dormant plants, 85c; pot plants, \$1.10.

Hinrich Gaede. Here is one of the most spectacular Roses in existence, and it succeeds well everywhere. Long pointed, Nasturtium-red buds and big double blooms of rich luminous vermilion shaded golden yellow. Fine plants with beautiful, glossy foliage. Fruity fragrance. Dormant plants, 85c; pot plants, \$1.10.

McGredy's Ivory. "The perfect white Rose." Its long pointed, perfectly shaped, ivory-white buds open into magnificent blooms of breath-taking loveliness. The plants are vigorous, have good foliage and produce quantities of long-lasting, moderately fragrant, perfect Roses. Dormant plants, \$1.00; pot plants, \$1.25.

McGredy's Yellow. Beautifully formed buds of pure, light but-tercup yellow; open flowers cup-shaped with a mass of gold anthers glorifying the center. Plants vigorous and free blooming, with dark glossy, holly-like foliage. Dormant plants, 85c; pot plants, \$1.10.

6 Hybrid Tea Rose Plants 2 YEAR DORMANT, Our Selection (Value \$5.40). By Express Collect **\$3⁹⁰**

6 Hybrid Tea Rose 2 YEAR POT PLANTS, Our Selection (Value \$6.60). By Express Collect **\$5¹⁵**

12 Hybrid Tea Roses, 2 YEAR DORMANT, one each as listed (Value \$10.95). By Express Collect **\$6⁹⁰**

12 Hybrid Tea Roses, 2 YEAR POT PLANTS, one each as listed (Value \$13.95). By Express Collect **\$9⁴⁵**

Mme. Joseph Perraud. One of the most gorgeous Roses in existence with enormous, perfectly formed Nasturtium-orange buds, which open to sweetly fragrant flowers of a charming Nasturtium buff, straying to a lovely shade of shell pink. An excellent flower for both garden and exhibition purposes. Blooms heavily all season. Dormant plants, \$1.00; pot plants, \$1.25.

Picture. This is one of the loveliest of all pink Roses, every flower being a perfect picture in color and form. The nicely formed buds open into medium-sized flowers of velvety rose-pink with a warm salmon undertone. A splendid cutting Rose that produces quantities of fragrant bloom all season. Dormant plants, \$1.00; pot plants, \$1.25.

Southport. Fine flowers of an exceedingly brilliant scarlet which is unaffected by the weather. Very showy, probably the most brilliant of all scarlet Roses. Fine buds of lovely form on long stems. Blooms very freely, producing more flowers than any other Hybrid Tea Rose in our collection. Dormant plants, 85c; pot plants, \$1.10.

Quantity Prices as Follows:	Each	Three	Doz.
	\$0.85	\$2.25	\$ 8.50
1.00	2.50	10.00	
1.10	3.00	11.00	
1.25	3.50	12.50	

After April 15th it may be necessary to change this collection. See Pages 100-102 for Complete List of Roses, including New Patented Varieties.



Plant a
GARDEN
for
DEFENSE

HEALTH
and
ECONOMY

Basic Defense Garden Collection \$1.00

This collection provides the minimum planting of protective foods which should be made for a family of four. Each of these vegetables **SHOULD BE GROWN AND EATEN**, to maintain health. Varieties of our selection, no changes from this list permitted.

13 items, value \$1.40, prepaid \$1.

Catalogue Value	Catalogue Value
½ lb. Green Pod Bush Beans..... 20c	1 pkt. Parsley..... 10c
1 pkt. Swiss Chard..... 10c	1 pkt. Beets..... 10c
1 pkt. Green Curled Endive..... 10c	1 pkt. Squash..... 10c
1 pkt. Leaf Lettuce..... 10c	1 pkt. Radish Mixture..... 10c
1 pkt. Second Early Tomatoes..... 10c	1 pkt. Pole Lima Beans..... 10c
1 pkt. Carrots..... 10c	
1 pkt. Collards..... 10c	Catalogue Value..... \$1.40
1 pkt. Parsnip..... 10c	Collection prepaid in U. S. A. for \$1.00



Vitamin-Rich and Delicious
Carrot Touchon. 70 days. As full of Vitamin A as the toughest shipping variety. Touchon is the sweetest we know, extremely tender, almost without a core, and of a bright yellow color which proves its merit as one of the protective foods. Pkt., 20c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.



Bred for Small Gardens

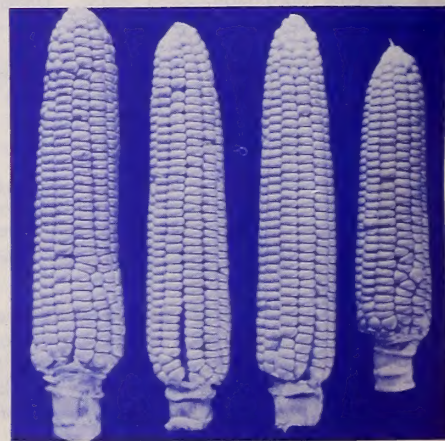
Cucumber Midget. 70 days. This University of Minnesota production is the best of its type. The plants grow six to twelve inches, with few lateral branches. Fruits are smooth, blocky, dark green, borne in a huddle, and plants can be set 18 inches apart each way. Pkt., 20c; oz., 35c; ¼ lb., \$1.00.



Streamliner Bean Holds Lead
Green Pod Bush Bean Streamliner. 55 days. Its heavy yield, exceptional vigor, and resistance to cold; stringless and fibrefless pods, 7 inches long; and long season of bearing fit it especially for home gardens. Two plantings will supply your family with delicious pod beans all summer and fall. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.10; 3 lbs., \$1.50; 5 lbs., \$2.00.



Most Nutritious of Its Race
Broccoli, Italian Green Sprouting (Calabrese). 70 days. New importance has been given this splendid home garden subject by the discovery that it is far richer in vitamins than its cousin, the cauliflower. It grows quickly from seed sown in the garden row, and bears continuously until killing frost. This strain excels in flavor and tenderness. Pkt., 25c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

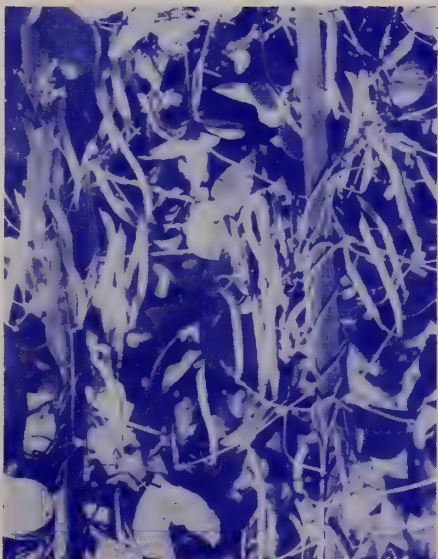


Sweet Corn Yield Prolonged
Sweet Corn Hybrid Blend. This is a mixture of four strains as illustrated, from right to left: Surprise, 64 days; Golden Cross, 79 days; Erlibird, 70 days; and Golden Nugget, 68 days. By planting them in the same block, a longer harvest is assured, and danger of hot weather interfering with pollenizing is avoided. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.



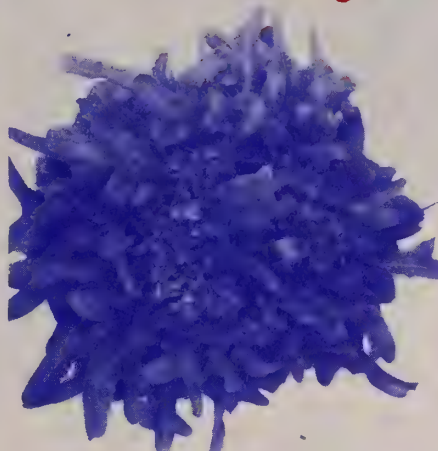
Real Garden Jewel

Tomato Mingold. 85 days. Experience has shown this golden yellow product of the University of Minnesota to be one of the most uniform and heavy yielding of all tomatoes, while its flavor is so mild it can be eaten like an apple. Pkt., 15c; 1/2 oz., 35c; oz., 65c.



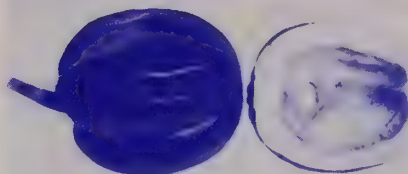
Now, a Stringless Pole Bean

Pole Bean Decatur. 65 days. All-America silver medal, 1942. Pole beans yield more heavily, and for a longer season than bush, but this is the first tall growing type that is entirely stringless even when mature. Pods are round, 6 inches long, green and tender. Pkt., 25c; 1/2 lb., 65c; lb., \$1.00.



Hot Weather Lettuce

Lettuce Oak Leaf. 40 days. Of all green leaf lettuces, this has the longest season of harvest, as it stays sweet and tender long after hot summer begins, providing one of the best of all sources of precious Vitamin A, and a tasty base for bowl salads. Make two sowings. Pkt., 20c; 1/2 oz., 35c; oz., 65c.



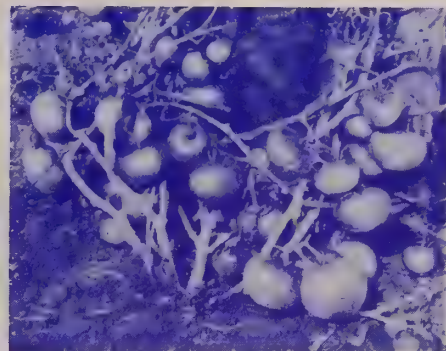
Home Garden Royalty

Squash Table Queen Improved. 58 days. More delicious, vitamin-rich orange flesh, sweet as a muskmelon, is provided by the much larger fruits of this improved strain of the most popular of all squashes for the home garden. Baked, and served with melted butter, um-m! Pkt., 20c; 1/2 oz., 30c; oz., 50c.



A Heavy Yielding Pea

Pea Early Gilbo. 72 days. A mid-season dwarf pea, it has large pods which are filled with plump wrinkled peas of maximum tenderness and sugar content, with seldom a missing member. Vines are dark green, 24 inches tall, pods 5 inches long. Pkt., 15c; 1/2 lb., 30c; lb., 50c; 2 lbs., 90c; 3 lbs., \$1.25.



Tomato for Small Space

Tomato Bounty. 60 days. On a vine which spreads over a diameter of 18 inches, instead of the usual four feet, early medium sized, smooth bright red fruits are produced abundantly. It was bred for small gardens, to be grown without staking. Pkt., 25c; 1/2 oz., 50c; oz., 90c.

ALL-AMERICA WINNERS

The following varieties won awards in the All America Trials of new vegetables for 1942. Silver Medal, S. M., Bronze medal, B. M., Honorable Mention, H. M.

- Bean, Pole Snap, Decatur. S. M. Stringless prolific. Pkt., 25c; 1/2 lb., 65c.
- Bean, Medal Refugee. B. M. Green Snap Refugee. Pkt., 25c; 1/2 lb., 65c.
- Bean, Long Island Long Pod. H. M. A flat podded green bush bean. Pkt., 20c; 1/2 lb., 35c; lb., 60c.
- Sweet Corn, Hybrid Lincoln. B. M. Large, yellow, tender, 12 to 16 row. Pkt., 15c; 1/2 lb., 35c; lb., 65c.

- Sweet Corn, Topflight Hybrid. H. M. 12 to 16 row, deep grains. Pkt., 15c. 1/2 lb., 35c; lb., 65c.
- Lettuce, Cosberg 600. H. M. Early, heading under adverse conditions. Pkt., 20c; 1/2 oz., 35c; oz., 65c.
- Lettuce, New York PW 55. H. M. Early, resistant. Pkt., 20c; 1/2 oz., 35c; oz., 65c.
- Squash, Fordhook Zucchini. H. M. A long Black Zucchini. Pkt., 20c.

**VAUGHAN'S
CHICAGO PARKS
LAWN SEED**

5 Lbs. \$2³⁵

1/2 Lb., \$0.30	15 Lbs., \$6.65
1 Lb., .50	20 Lbs., 8.75
2 Lbs., 1.00	25 Lbs., 10.75
3 Lbs., 1.45	100 Lbs., 39.00
10 Lbs., 4.50	PREPAID IN U.S.A.



WELL advised lawn makers will avoid sowing the cheap mixtures which flood the market adulterated with quick show grasses such as timothy, a hay seed whose coarse stems ruin the lawn. Buy only seed on the quality of which you can depend. We unreservedly recommend Vaughan's Chicago Parks Lawn Seed wherever a lawn is desired which combines the maximum of beauty and durability with a minimum of expense and care.

The basis of VAUGHAN'S "CHICAGO PARKS" lawn seed is a large amount of the finest Kentucky blue grass, which is combined with other suitable grasses in the proper proportions to produce a fine permanent turf. Needless to say, it does not contain timothy, which is a hay grass and does not belong in a lawn; none of Vaughan's formulas include this unsuitable grass.

Price, 1/2 lb., 30c; 1 lb., 50c; 2 lbs., \$1.00; 3 lbs., \$1.45; 5 lbs., \$2.35; 10 lbs., \$4.50; 15 lbs., \$6.65; 20 lbs., \$8.75; 25 lbs., \$10.75; 100 lbs., \$39.00.

We offer this mixture without clover under the name "Vaughan's Fairway Formula"—Prices same as "Chicago Parks."

Vaughan's Special Lawn Mixtures

We recommend our lawn mixtures, composed of suitable varieties of grass seed, because results are more satisfactory from a correct combination of grasses than from a variety sown alone. Our grass seed division has long been known as an authority on growing fine turf, and for the guidance of our customers we send our booklet on lawn-making upon request and without charge. A copy of this booklet is enclosed in every carton and bag of Vaughan's lawn seed mixtures.

For Your Protection—Always remember that we neither buy nor sell seeds that are not tested in our own officially recognized laboratory for purity, germination, identity and freedom from weeds.

Quality versus Price. Our constant aim has been to harmonize our never-changing superior qualities of seed with such reasonable and fair prices as will be entirely satisfactory to our customers. In this respect we have every reason to believe we have been successful.

Vaughan's "Columbian"

Formula for Shady Lawns or Sandy Soil

In making a lawn on sandy soil or in partial shade, conditions are met which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations.

Price, 1/2 lb., 35c; 1 lb., 55c; 2 lbs., \$1.10; 3 lbs., \$1.60; 5 lbs., \$2.60; 10 lbs., \$5.00; 15 lbs., \$7.40; 20 lbs., \$9.75; 25 lbs., \$12.00; 100 lbs., \$45.00.

Vaughan's Dense Shade Formula

An exceptional formula chiefly composed of imported grasses. It is particularly adapted to heavily shaded areas and will also do well in lighter shade. We have spared no care or expense to make this lawn seed the best obtainable for the purpose. Follow instructions in our lawn booklet for growing grass in the shade. Does not contain clover.

Price, 1/2 lb., 40c; 1 lb., 65c; 2 lbs., \$1.30; 3 lbs., \$1.90; 5 lbs., \$3.10; 10 lbs., \$6.00; 15 lbs., \$8.90; 20 lbs., \$11.75; 25 lbs., \$14.50; 100 lbs., \$55.00.

All Lawn Seed prepaid anywhere in U. S. A. On Parcel Post C. O. D. Orders there is a postal charge for C. O. D. delivery.

Quantity to Use—On new lawns, use 1 lb. for every 300 square feet; 5 lbs. for 1500 square feet; 135 to 150 lbs. for one acre. To replenish lawns where turf is thin, use half quantity.

VAUGHAN'S No. 25 LAWN FORMULA

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Chicago Parks." In spite of its low price, this blend does not contain timothy. Sow at the rate of 1 lb. to every 200 sq. ft. Begin cutting when grass is 3 to 4 inches high and continue to cut regularly to keep turf fine. Price, 1 lb., 35c; 2 lbs., 70c; 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.00; 15 lbs., \$4.35; 20 lbs., \$5.75; 25 lbs., \$7.00; 100 lbs., \$25.00.

**Vaughan's "Private Estate" Bent Formula
FOR LAWNS "DE LUXE"**

For those interested in a de luxe mixture we highly recommend our Private Estate Formula—This formula contains over 98% pure seed and is free of all noxious weeds.

In addition to Kentucky Blue Grass of the highest quality, to insure a durable and resistant foundation for your lawn, Private Estate formula includes an important proportion of Certified Bent. It produces a heavy turf of very fine texture.

This mixture is equal or better in purity to the highest priced mixtures on the market and most important it contains more bent seed. It is the best value on the market.

Price, 1 lb., 60c; 2 lbs., \$1.20; 3 lbs., \$1.75; 5 lbs., \$2.85; 10 lbs., \$5.50; 15 lbs., \$8.15; 20 lbs., \$10.75; 25 lbs., \$13.25; 100 lbs., \$49.00.

Bent Lawns from Certified Seed

Ask for Our Bent Leaflet

Bent grasses are increasingly popular for lawns, especially in cities where lawns are small in area and extra care is not burdensome.

Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft.

ASTORIA BENT. Astoria Bent is identified by its numerous rootstocks which spread underground and throw up new shoots, making a very thick turf and by the presence of runners above ground in the early stages of development. This Bent has a good color and is excellent as both a lawn and putting green grass. It does not require as much cutting as Creeping Bent. We highly recommend this type.

SEASIDE BENT. This is a true unmixed Creeping Bent grass seed which spreads by surface runners instead of by the underground root stalks which characterize the Astoria Bent.

Our Bent Leaflet Is Included in Each Bag

ASTORIA BENT GRASS. Price, 1/4 lb., 40c; 1/2 lb., 70c; 1 lb., \$1.25; 2 lbs., \$2.50; 3 lbs., \$3.70; 5 lbs., \$6.00; 10 lbs., \$11.75; 15 lbs., \$17.25; 25 lbs., \$27.50.

SEASIDE CREEPING BENT GRASS. Price, 1/4 lb., 35c; 1/2 lb., 65c; 1 lb., \$1.15; 2 lbs., \$2.30; 3 lbs., \$3.35; 5 lbs., \$5.50; 10 lbs., \$10.75; 15 lbs., \$15.75; 25 lbs., \$25.00.

SEE PAGE 117 FOR PRICES ON OTHER GRASSES AND FIELD SEEDS

All-America Award Winners - 1942

New Varieties Tried in Ten Test Gardens in All Sections of the U. S. A. and Judged the Best for 1942 Introduction.



White Sister of Heavenly Blue

Culture: A or B, D or E, Page 67

2943 Morning Glory Improved Pearly Gates. All-America Silver Medal, 1942. This is a white sport of the lovely Heavenly Blue morning glory, and is similar in size, vigor of growth and abundant bloom, to that unsurpassed climber; but the color is satiny white with cream throat. Against a brick wall, or any darker color, it will provide a lovely drapery; and it is effective in combination with blue and red morning glories. Pkt., 25c.

2940 Red, white and blue collection. For patriotic effect, sow Pearly Gates, Heavenly Blue and Scarlett O'Hara morning glories. One packet, each (value 60c) 40c.



True-Pink "Spider-Plant"

Culture: D or E, Page 67

1803 Cleome Pink Queen. All-America Silver Medal, 1942. A tall and attractive border subject, with huge heads of delightful and refreshing true pink, without a trace of blue or magenta. The large flower bracts turn to white before falling, giving the suggestion of a white collar with a pink cap. Reaches over 4 feet, well branched, airy foliage, blooming from June until frost. This is an excellent background subject to plant in the rear of the flower border, in bold groups, which will provide interesting sky-line color. Pkt., 25c.

New Golden Border Marigold

Culture: A or B, D or E, Page 67

3168A Marigold Dwarf Double Melody. All-America Bronze Medal, 1942. Of compact habit 12 inches tall, this fully double golden yellow flower of the Harmony type is recommended for ribbon planting in border foregrounds, being uniform, free blooming, early flowering. Pkt., 25c.

"Butterball" Right for This

Culture: A or B, D or E, Page 67

3164A Marigold Dwarf French Double Butterball. All-America Bronze Medal, 1942. The name fits this pretty edging marigold of canary yellow. As the illustration shows, it grows 10 inches tall, in a mound covered with 1½-inch globular blossoms. Early and continuous flowering, excellent for ribbon planting or pot plants. Pkt., 25c.



Early Yellow Cosmos

Culture: A, B, D or E, Page 67

1980 Cosmos Yellow Flare. All-America Silver Medal, 1942. At last the yellow cosmos Klondike, so late in season it has been grown only in the deep south, has an early flowering counterpart, which will blossom in July in northern gardens. Yellow Flare is similar to Orange Flare except that it is a rich golden yellow. It grows 3 to 4 feet tall and has the same freedom of bloom, on long wiry stems. It is excellent for border effect and as a cut flower. Pkt., 25c.



Deep Violet Nierembergia

Culture: D or E, Page 67

3412 Nierembergia Coerulea Purple Robe. All-America Bronze Medal, 1942. This is like the pale lavender hippomanica, in its compact growth, completely covered with bloom, but its flowers are of deep violet, fading in the hot sun, where hippomanica would bleach to almost white. Blooms in 15 weeks from sowing, prefers sandy soil and full sun, a splendid bedding and edging subject. Pkt., 25c.



On Our Front Cover

ASTER VAUGHAN'S WILT RESISTANT

<p>Giant Crego</p> <p>(1) 569 White (2) 564 Lavender (3) 565 Pink</p>	<p>Giant Branching</p> <p>(4) 906 Purple (5) 905 Blue (6) 903 Rose</p>
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640 Collection 1 pkt., each of 6 separate varieties as listed above 75c.

Each per pkt., 15c and any 3 pkts., for 40c.

VAUGHAN'S GARDENING ILLUSTRATED





ALL AMERICA AWARD WINNERS—Continued

Mum-type Yellow Marigold

3132 Marigold Mission Giant Yellowstone. All-America Honorable Mention, 1942. A sister of Goldsmith, 1941 winner, which was orange, this is golden yellow, of incurved, globular form, 2½-inch flowers, rather late, plants 3 to 5 ft. Pkt. 25c.

Other All America Winners

3174A Marigold, Dwarf Chrysanthemum-flowered, Golden Bedder. Earliest of all, uniform, covered with golden orange flowers of chrysanthemum type. Pkt. 25c.

4069 Petunia, Giants of California, Glamour. A large salmon-rose flower, a free and continuous bloomer. Excellent under artificial light. Pkt. 25c.

4104A Phlox, Gigantea, Red Glory. The richest bright red, with contrasting white eye. A free, continuous bloomer, tall lightly foliated, uniform and true. Pkt. 25c.

4584 Rudbeckia, Starlight. Large-flowered, semi-double selection of Kelvedon Star, a free bloomer. Color from primrose yellow to mahogany and bicolors with mahogany centers. About 3 feet tall. Pkt. 25c.



Rich Royal Purple Zinnia

6143 Zinnia Giant Dahlia Flowered Royal Purple. All-America Honorable Mention, 1942. The best royal purple yet produced, entirely free from blue. Four-inch flowers on uniform plants. Pkt. 25c.

New Flowers and Specialties - 1942



Blue and Pink Ageratums □

Culture: A, B, D or E, Page 67

214 Fairy Pink. A compact dwarf of delightful soft salmon rose pink. It begins to flower when not more than 1½ to 2 inches high and grows to 5 inches forming a compact mass of blooms. Pkt. 25c.

197 Blue Ball Improved. Compact, five inches high, uniform. Broad green foliage is almost completely smothered with flowers of rich blue. Pkt. 25c.

201 King of the Blues. Excellent dwarf strain; flowers in clusters of deepest blue, showing up effectively over miniature foliage. Pkt. 25c.

195 Midget Blue. Three inch globular plants are smothered with Ageratum blue flowers. Most uniform in habit, truest in color yet produced. The best we know for narrow ribbon planting. Pkt. 25c.

221 Golden Ageratum. 12 in. Fluffy, golden ball flowers, resemble the so-called perennial ageratum. This is an annual, *Lonas Inodora*. Pkt. 25c.



195 AGERATUM Midget Blue. Pkt., 25c.

Culture: B, D or E, Page 67

7061 Amsonia Tabernaemontana. ① 2-3 ft. Free flowering perennial, long stems, with willow-like foliage and lovely heads of light blue flowers in panicles. Especially good for cutting and hardy border. Pkt. 25c.

True Violet Sweet Alyssum

Culture: A, B, D or E, Page 67

259 Alyssum Violet Queen. A beautiful, fragrant sweet Alyssum, of bright clear violet hue, holding its colors through the hottest, driest summer. Can be sheared like white Alyssum and grows luxuriantly covered with bloom, from early summer to freezing. It flowers in 45 days from seed sown in the open ground. After its second year in our test garden we like it better than ever. Pkt. 15c.



New Antirrhinum □

Culture: A, B, D or E, Page 67

345A Reveille Rust Resistant. 22 in. Softly tinted by the golden rays of an early sunrise, Reveille is a deep luminous yellow with the upper lip of each floret toning to a lighter lemon yellow. Pkt. 25c.

FRAGRANT COLUMBINE ①

Culture: B, C, D or E, Page 67

7166 Aquilegia Suaveolens. 25 in. A rare perennial from the Himalayan Mountains. Flowers a delightful blending of cream and lilac with a sweet rich perfume. Lacy foliage. Pkt. 25c.

NEW CRESTED ASTERS □

Culture: A, B, D or E, Page 67

Princess asters have a full crested center surrounded by several rows of strong guard petals. Flowers are fine keepers. Early and free bloomers. 18 in. to 24.

625 Princess Anne. Delicate pink turning to rose pink as they mature. Pkt. 25c.

626 Princess Bonnie. A beautiful soft salmon rose with center of rich gold. Pkt. 25c.

627 Princess Marsha. A strong, vibrant cinnabar scarlet, with rich gold center. Pkt. 25c.

One packet each of the three above for 65c.

Culture: B, D or E, Page 67 ②

7227 Alpinus Praecox ① 1¼ ft. A mixture of blue and white flowers, extremely early, uniform plants. Pkt. 25c.

Irish Green Bellflower □

Culture: D, E, A or B, Page 67

1138 Bell of Ireland. □ Graceful 2-foot branching stems are so surrounded by 2-inch flowers there is little room for leaves. The bell-shaped calyx of the flower is green and delicately veined, containing the white corolla. Both curious and beautiful. Pkt., 25c.



214 AGERATUM Fairy Pink. Pkt., 25c.

New Flowers and Specialties - 1942



Showy Butter Daisies

Culture: A or B, Page 67

1168 Verbesina Encelioides. □ 40 in. A showy easily grown annual bearing 1½ inch flowers continuously throughout the summer. Good cut flower or border annual. Pkt. 15c.



Like a Large Lobelia

Culture: A or B, Page 67

1161 Browallia Sapphire. □ 12 in. Profusely blooming bedding plant bearing flowers of intense blue, white eye, like large lobelia. Likes rich soil, flowers continuously, can be cut back and potted for indoor bloom in fall. Pkt. 25c.



Carnations in 90 Days

Culture: D, E, A or B, Page 67

1351 J. M. Bridgeford. (Malmaison.) 1½ ft. □ From seed sown indoors (or outdoors) bears in 90 days on long stems, lovely fully double Carnations, 3 to 4 inches across, of all Carnation colors, including yellow. Flowers throughout the summer. Pkt., 50c.

NEW GIANT CALENDULAS □

Culture: A or B, D or E, Page 67

Calendulas are at their best in cool autumn days. Sow a second crop in early summer, for fall cutting.

1187 Glowing Gold. 2½ ft. Vivid color, coming between gold and orange which does not fade. Flowers are fully double, 4 in. across, with loose and fluffy petals that give the appearance of a golden ball. Long, wiry stems. Pkt., 25c.

1188 Orange Fluffy. 2 ft. Bright orange-yellow, intensified by a jet-black eye. Flowers 3½ inches, semi-double, with petals increasingly erect towards the center. Flowers profusely on long, strong stems. Pkt., 25c.

1200B Yellow Colossal. 18 in. Most profuse blooming of all bearing 4½-inch fully double flowers of a clear, bright yellow. Plants bloom in 18 weeks and continue for three months. Pkt. 25c.

RICH CRIMSON COCKSCOMB □

Culture: A or B, D or E, Page 67

1472 Royal Velvet. 2 ft. Produces center and numerous long-stemmed plummy heads of richest crimson, on basal branches. Foliage bronzy green with reddish margins. Pkt. 25c.

NEW HARDY CENTAUREAS ①

Culture: B, D or E, Page 67

7428 Hardy Perennial Mixed. A mixture of thirty hardy Centaureas. A real treat is in store for those who plant this mixture as it will be a means of securing plants of unknown and unlisted sorts of various forms and colors. Pkt., 15c.

NOVEL ANNUAL CHRYSANTHEMUMS

Culture: A, B, D or E, Page 67

1696 Carinatum Rainbow Mixture. 2 ft. This new strain of Carinatum Hybrid annual chrysanthemums contains a wide range of purple, scarlet, orange, salmon, rose, yellow, and white blends, beautifully zoned. Outstanding as a cutflower. Pkt. 25c.

1617 Goldwings. 36 in. Large daisy flowers with long feathery petals of gleaming yellow. A mass of flowers all season. Pkt. 25c.



Golden Spider Flower

Culture: D or E, Page 67

1802 Golden Cleome. □ A new color, rich gold approaching orange, on stems which will grow 8 feet. Crowd plants to keep them low. Fine for border gaps and background. Attractive to bees. Likes full sun and sandy soil. Pkt., 25c.

1804 1 Pkt. each, Cleome Pink Queen, Golden and White. (3 Pkts.), 50c.

SEVEN-INCH SHASTA DAISIES ①

Culture: B, D or E, Page 67

7464 Diener's New Giant Double Ever-Flowering Shasta Daisy G. Maiconi. The largest Shasta Daisy today, the flowers are around seven inches in diameter and stems 2½ to 3 ft. long. Originator's seed. Pkt. 50c. Plants, each 35c; 3 for \$1.00.

7463 Diener's Fancy Chiffon Shasta Daisy Glendale. The flowers are 2 inches across and have fringed and lacinated petals, interlaced. Pkt. 25c.

7447 White Fairy. New long stemmed giant white fringed flowers in clusters of 5 to 7 flowers on one stem. Blooms in July and August. Pkt. 25c.

CONVOLVULUS BLUEST ANNUAL □

Culture: A, B, D or E, Page 67

1922 Royal Ensign. A deep bright ultramarine; the deepest and brightest of all blue annuals. The plants are covered with their attractive blossoms all summer. Use for edging and borders. Pkt. 20c.

1923 Dwarf Lavender Rosette. An ideal rockery plant with deep lavender flowers. Given enough moisture it will develop a mass of flowerheads from June to mid-August. Pkt. 25c.



Korean Mums From Seed

Culture: A, B, D or E, Page 67

1621 Chrysanthemum Korean Hybrids. These large, single flowers of many lovely colors can be flowered from seed the first year. The hardy Korean species is crossed with garden varieties to produce this splendid fall perennial. Pkt. 50c.



Giant Double Shasta

Culture: B, D or E, Page 67

7504 Giant Double Shasta Daisy. ① While first year flowers of this perennial have many singles, in the second year they are almost 100% double, with flowers up to 6-inches, and a long flowering season. Pkt., 35c. Plants; each, 35c., 3 for \$1.00; doz., \$3.00.



Color Carnival in New Dianthus Strain

Culture: A or B, Page 67

2259 Dianthus Heddewigii Gaiety. The large fringed flowers have a bewildering variety of pink, white, red and maroon coloring, in decorative patterns, and borne freely on dwarf plants. There are numerous double and semi-double forms. The many blossoms, borne for a long season, will cover a bed of these plants with a fascinating display of brilliant colors. Pkt., 25c.

Latest Pacific Giant Delphiniums ①

Culture: B, D or E, Page 67

This scientifically bred group of hardy Delphiniums, pronounced by expert judges as the world's best, has now been developed into definite named color strains.

All strains of the Pacific Giants excel in the brilliance of their colors, in the supple strength of their wiry stems, in size of florets and length of their flowering spikes. They grow to medium height and seldom need staking. The white varieties are the first which equal the blues in height, size and beauty of spike. All Pacific Giant Strains are 65% mildew resistant.

7563 Black Knight. Darkest of all. Flowers 2½ to 3 inches with heavy velvety texture.

7559A Blue Jay. From medium to dark blue with dark bee.

7563A Cameliard Series. This is a pure lavender self, white bee, possessing classical perfection of form in the individual flowers, which are very round and flat.

7560 Galahad. Clear white, highly mildew resistant.

7560A Lancelot. Lilac with white bee. **PRICE, Each of the above, \$1.00 per packet.**

7561 King Arthur. Royal violet, large white bee.

7561A Guinevere. Light pink lavender, white bee.

7562 Summer Skies. Light blue with white bee.

7562A Clear White. Of glistening texture.

PRICE, Each of the above, 75c per packet.

7559 Round Table Series Mixture. All the above Knights and their Ladies. Pkt., 75c.

STANDARD COLORS OF PACIFIC GIANTS.

7556 Dark Blue. Shades.

7557 Light Blue. Shades.

7558 Lavender Pastel. Color range from lavender, generally of two tone combinations, brown or black bees.

7558B Violet Shades.

7557A Medium Blue Shades.

7558A Mixed. The five varieties of the above standard sorts.

PRICE, Each of the above, 50c per packet.



Left to right: Price per pkt. 7558B Violet Shades, 50c. 7562 Summer Skies, 75c. 7563A Cameliard Series, \$1.00. 7560 Galahad, \$1.00.

BRILLIANT COLEUS MIXTURE □

Culture: D or E, Page 67

1864 Glory. A mixture of bronze, pink, apricot, cream, etc. A remarkably fine strain; unequalled for the beautiful form and coloring of its large leaves. Pkt. 35c.

CORAL FLOWER A JEWEL □

Culture: A or B, Page 67

1996 An annual of jewel-like daintiness, vivid coloring and very decorative spoon-shaped thick leaves. Many stems growing some 30 inches tall and bearing, in loose alternate clusters, little five-pointed blossoms of luminous pink; then come airy long hanging capsules each like a bead of polished coral. Hundreds of them on each spire-like stem. Full sun, easy to grow, but seed waits until soil is warm before sprouting. Pkt. 20c.

NEW TALL RED ANNUAL □

Culture: A or B, Page 67

2001 Cuphea Lanceolata. 40 in. Curiously formed flowers, the two large upper petals, richest maroon veined with velvety black and the four smaller lower petals are brilliant crimson. Tall growing, quite unlike the other varieties, blossoms carried on graceful wands of stems. Easy culture, comes into bloom early and is in flower all summer. Pkt. 25c.

GLOSSY CRIMSON

COREOPSIS

Culture: A, Page 67

7488 Coreopsis Atkinsoniana. ①

Blossoms of glossy crimson red. Though usually handled as an annual at least part of the plants may live over the winter in favorable locations. It is the only red flowered Coreopsis with definite perennial tendencies. Protect with heavy mulch in cold weather states. Pkt. 25c.



White-Enamel African Daisy

Culture: A, B or E, Page 67 □

2318 Dimorphotheca Glistening White. 6 to 8 in. The petals of the daisy-like flowers which may reach 4 inches in diameter, glisten like white enamel. They are borne freely on low, spreading plants, like hot sun and dry weather, and flower long after frost has killed other annuals. Pkt. 25c.

2319 Dimorphotheca Double Hybrids Mixed. 8 in. Flowers averaging 1¼ in. have crested center. Approximately 65% crested, with some semi-doubles. It is a hot weather plant, native of Africa. Colors from deep salmon orange to white with many lemon and biscuit shades. Pkt. 25c.

HARDY DOUBLE COREOPSIS

7493 Grandiflora Double Sunburst. ① The golden yellow flowers are double, 1½ to 2 in. across, excellent for cutting, as the flowers are fine keepers and the plants easy to grow. Comes about 80% double. Pkt. 25c. Plants, each 35c; 3 for \$1.00.

NEW DOUBLE COSMOS STRAIN □

Culture: A, B, D or E, Page 67

PEERLESS TYPE, DOUBLE EARLY SENSATION

1971 Pink Lady. Two forms of double flowers are shown in this strain, one fluted, the other crested. The fluted type is a shade deeper than the crested in its delicate salmon pink color. Pkt. 25c.

1972 White Lady. A soft velvety white. A lovely large flower which will come approximately 65% double. Pkt. 25c.

TRUE NAVY BLUE DELPHINIUM □ ①

Culture: A or B, D or E, Page 67

7523 Delphinium Chinensis Blue Mirror. 1½-2 ft. One of the few true bright navy-blue flowers. May be cultivated as an annual as well as perennial, and is suited for cutting or border. When grown in masses it makes an overwhelming impression. 125 seeds, 50c.



Giant Double Hollyhock ①

Culture: B, D or E, Page 67

7978 Orange Prince. Growing 6 to 8 feet, this magnificent perennial bears giant double yellow flowers, fiery orange center, likes rich soil. Pkt., 25c.

DESERT SUNRAY LIKES DROUTH □

Culture: A or B, Page 67

2117 Baileya Multiradiata. Charming flowers, with a thrifty, cultivated appearance like that of a garden flower. The plant is a foot tall with greyish-green woolly stems and foliage, and the handsome flower is an inch and a half across, with a fine ruffle of many bright yellow rays, prettily scalloped, and a yellow center, rather deeper in color. Pkt. 35c.

ALPINE SWEET WILLIAM ①

Culture: B, D or E, Page 67

7688 Dianthus Barbatus Midget Single Mixed. 3-4 in. The habit of this Alpine Sweet William is very uniform. The large blooms almost entirely cover the foliage. The color range is from white, charmois, salmon, scarlet, brick red to maroon, with most of the blooms being tri-colored. Pkt. 25c. Plants, 3 for 85c.

7711 Midget Double Dwarf Mixed. An attractive double form of the above. Fine plants of even height. 3 to 4 in. tall in a bewildering color range. Pkt. 15c.

7659 Homeland. In June, when summer flowers are not yet in bloom and there is little in the garden available for cut flowers, the Sweet William is the most welcome. "Homeland" is dark red with large sharply defined clear white center. Pkt. 35c.



Beautiful Floral 'Mule'

3173 Marigold Red and Gold Hybrids. An F1 hybrid of French and African species, this does not produce seed, thus is a "mule." So whether you pick the flowers or not, it just keeps producing, on bushy 2-foot plants, large double red and gold flowers, twice the size of most French varieties, so beautiful and plentiful that many good judges think it the finest of all border marigolds. Large Pkt., 20c.

YELLOW PERENNIAL FOXGLOVE ①

Culture: B, D or E, Page 67

7771 Digitalis Laevigata. A dignified and handsome perennial Foxglove. Bronzy yellow flowers with whitish lip. Pkt. 25c.

GIANT-FLOWERED CORAL BELLS ①

Culture: B, D or E, Page 67

7944 Heuchera Hoodacres Hybrids. These are the result of 14 years of selection. Very vigorous and prolific. The bells are much larger than other sorts. The bloom stalks are tall; some have the habit of blooming twice in a season. Wide range of color shades. Pkt., 35c.

MORNING AND MOON GLORIES □

Culture: A, B, C or E, Page 67

2911 Purple. Interesting large flowers of rich velvety purple cover the vines all summer. Pkt., 15c.

2920 Super Giant Japanese Mixed. A wonderful advance in size of bloom. They are seven to eight inches in diameter, in many charming and delightful colors. Pkt. (12 seeds), 50c.

IRIS, FRAGRANT, FROM SEED ①

Culture: B, C, Page 67

8091 Dichotoma (August or Vesper Iris). Fragrant flowers on tall branching sprays. In bloom from July to early September. Variable in color, cream to violet-purple with markings of buff, orange, copper, brown, mahogany, and rose. Seed sown in early spring will germinate quickly and a fair proportion will bloom the first summer. A hardy perennial. Pkt., 20c.



Largest Single Marigold

3156 Wildfire. 18 in. This seed bearing hybrid between French and African varieties, bears single flowers which sometimes reach 3 inches in diameter, varying in color and markings on the same plant. Blooms in eight weeks from sowing, flowering until frost comes. Pkt., 10c.

NEW LINUM (HARDY FLAX) ①

Culture: A, B or C, Page 67

8127 Narbonense Heavenly Blue. The flowers are twice as large as the common Linum Perenne. The color is a luminous ultramarine blue. Blooms from seed the first year. Pkt., 25c.

8123 Lewisii. 2½ ft. A robust species with arching sprays of fragrant blue flowers with pale blotches. Pkt., 25c.

FIVE-FOOT ANNUAL LARKSPURS □

Culture: A or B, D or E, Page 67

The double large flowers are closely set on tall 5-foot spikes and the vigorous growth and abundance of bloom make this new strain especially useful for cut flowers and border backgrounds.

2179 Super Majestic Lavender. Fine lavender.

2180 Super Majestic Rose. An attractive salmon rose.

2181 Super Majestic White. Pure glistening white.

Each of the above, per pkt., 25c. Special offer: 1 pkt. each, 3 varieties, 65c.

2165 Empress Rose Bud. 33 in. Plants are bushy, semi-dwarf, bearing heavy trusses of deep salmon pink double flowers. Pkt., 25c.

LIATRIS, WHITE GAYFEATHER ①

Culture: B, D or E, Page 67

8117B Scariosa Alba. 2½ ft. The stems branch freely, and the flowers are attractive white pompons thickly studding each stem. The top buds open first and then gradually down the stem. Valuable as garden and cut flower. Pkt., 35c. Plants, 3 for \$1.00; doz., \$3.00



First Call Red Marigold

Culture: A, B, C, D or E, Page 67

3173A Idabelle Firestone. Tall double flowering Hybrid of the African and French species which is not a "mule" but produces seed; this has 2½-inch mahogany red flowers on vigorous 3-foot bushes, taller and much larger than any previous double red marigold. It is a distinct and lovely innovation, fine for cutting and for the border. Pkt., 25c.

LATEST MARIGOLD CREATIONS □

3177 Dwarf Gigantea Pot O'Gold. 12 inch Plants are compact, well branched, bearing large blooms of bright deep orange. The flowers are somewhat loosely formed, with broad heavy petals, gracefully overlapping. Blooms early. Pkt., 25c.

3153 Goldsmith. The best version of the Chrysanthemum flowered Marigold which blossoms early enough for northern gardens. Globular flower with incurved petals, borne on long base branching stems, 3 feet tall. Pkt., 25c.

3127 Limelight. A pale primrose yellow or deep cream, in the incurved Chrysanthemum-flowered type. Early-flowering, 1½-2½ inches in diameter, free-flowering and coming quite true. Pkt., 15c.

3163B Yellow Pygmy. 8 in. Light lemon-yellow, Lilliput French double. Small, 1¼ in. blooms, rather free and exciting for edging beds. Use in front of calendulas or combine with the deep blue of ageratum Cardinal Mundelein (plants only). Pkt., 15c.



A Miniature Harmony

3170A Marigold Spry. This 1941 All-America silver medal winner is a miniature version of Harmony, growing in compact, 9-inch bushes, producing freely flowers less than half the size of the popular variety Harmony. It is uniform and fine for ribbon planting. Pkt., 25c.



Glow Red in the Sun

3169A Marigold Scarlet Glow. In the sun this flower does glow and seems redder than any other Marigold. A well fixed Dwarf French double, compact 1-ft. bushes, color a deep maroon. Honorable Mention, All America trials for 1941. Pkt., 25c.



New Queen of Pinks

4008 Petunia Dwarf Topaz Queen. Most popular of Petunias for bed and border planting are the rose pinks, and this in our judgment is the best. Its scarlet-rose coloring is deeper and richer than Celestial Rose, and does not fade in the sun. Its habit is uniformly compact, flowers larger and borne freely throughout the summer. It is especially recommended for locations where the hot sunshine tends to pale the color of other varieties. Pkt., 25c.



Best Small-Flowered White

4003 Cream Star. This free flowering Petunia of exceptionally dwarf, compact and uniform growth, is well covered all summer with small flowers of soft creamy white, with deeper cream throat. Gives effect of white in the garden. Pkt., 25c.

New Colors and Types of Petunias □

Culture: B, D or E, Page 67

Red, White and Blue 🖱

Many will wish to plant beds or border combinations of red, white and blue flowers this spring, and there are no flowers better suited to this purpose than the small flowered petunias. In the illustration are shown 4020 Snowball, pkt., 10c; 4007 Glow, pkt., 25c; 4036 Cornflower Blue, pkt., 25c.

3993 Red, White and Blue Collection. 1 pkt. each of above three varieties (value 60c), 40c.

3994 Red, White and Blue Petunia Mixture, a blend of the above three varieties. Pkt., 25c.



4014 Betsy Ross. Ruffled dwarf. Red and white, blending to golden and deep red in the throat. The Blooms are 2½ inches, well ruffled. It creates a decidedly gay effect. Pkt., 25c.

4012 Snow Bedder. 10 in. Dwarf, white flowered, of base branching habit, each plant covers 4 square feet. The snow white flowers cover the whole plant. Fine for cemetery use. Pkt., 25c.

3967 Mars. Large flowered single of deep, lively velvety crimson right down the throat. Deeper than Flaming Velvet, and comes true. Blooms average 3 inches. Pkt., 25c.

4073 Blue Beauty. A late flowering, clear, deep blue. Flowers of extra large size on plants of vigorous growth. Extremely free flowering. Pkt., 35c.

4057 Burgundy. Large-flowered, 3½-inch blooms, purple or carmine with white throat, violet veins. Pkt., 30c.

4009 First Lady. Is the clearest pink in all existing varieties of Petunia; 2½-inch flowers, very free flowering. Makes dwarf ball-shaped growth and has long flowering season as it continuously throws out the blooms from spring to frost. Strong sun cannot burn the beautiful color. Pkt., 25c.



Richest Single Red 🖱

4007 Glow. The richest red small flowered single petunia, a dwarf, bushy plant, which is covered with 2½-inch flowers of dazzling carmine red. Pkt., 25c.



Best Small-Flowered Blue

3996 Admiral. In uniform growth, and unvarying clear dark blue coloring of its abundant blossoms, this excels all other small-flowered blue Petunias. Pkt., 50c.

4082 Scarlet Glory. Dwarf single, 10 in. Very bushy, covered with rich scarlet flowers. The result of breeding from the popular Queen of the Market, from which it secured its brilliant color. Pkt., 25c.

4049 Dainty Lady. A large-flowering single fringed variety of delicate golden yellow, the first really yellow Petunia. The plants are semi-dwarf and free-flowering. Pkt., 35c.

4022 King Henry. Compact, globular habit, large blooms of a velvety blood red color on short stems. A dwarf Flaming Velvet. Pkt., 25c.

4010 Little Blue Star. The ground color is blue starred with pure white. This is very dwarf and free flowering. Pkt., 25c.

3989 Radiance. A cerise rose with enough underlying salmon to remove harshness. The throat is golden yellow. Pkt., 25c.

4062 Theodosia. Large flowering single fringed rosy pink with a clearly defined golden center with minute stripes. Highly recommended at Wisley England trials of the Royal Horticultural Society. Pkt., 35c.

3980 White King. Showy clear snow white flowers, free flowering. Pkt., 25c.

4011 White Perfection. One of the best whites. Compact with abundant snow white 2-inch flowers, which profusely cover the plants. Pkt., 25c.

ALL-DOUBLE VARIETIES

Seeds of these varieties should be started indoors early!

- 3933 Blue Brocade. Illustrated on Page 15.
- 3939 Dwarf Carmine Glory. Peony-flowered.
- 3942 Dwarf Giant-Fringed Loveliness. Clear pink.
- 3938 Dwarf Rose-Carmine (World Beauty). Fringed.
- 3943 Gaiety. Rose-red and white, frilled flowers.
- 3941 Snowball. Dwarf, pure white fringed.

Each of the above All-Double Petunias, pkt. (75 seeds), 50c.

3934 Dwarf Giant Fringed Mixed (Victorious). (Vaughan's Formula Mixture.) The flowers are very large, exquisitely ruffled and fringed and contain a good range of brilliant colors. Pkt. (100 seeds), 50c.

A mixture of above, illustrated on Page 15.

GIFT CERTIFICATES

Vaughan's Gift Certificates are available in any Amount and redeemable at any time for our Merchandise.



First All-Double Blue

Culture: B, D or E, Page 67

3933 Petunia Blue Brocade (All Double Dwarf Victorious). □ An entirely new color in the All-Double class in which by some secret breeding magic flowers are induced to come almost 100% double in contrast to other doubles, which seldom exceed 50% of the plants produced. The color is a rich deep violet, and the petals of the much-desired velvet sheen and texture. Flowers are large and abundant. Pkt. (75 seeds), 50c.

PLEASING PENTSTEMONS ①

Culture: B, C or D, Page 67

8338 Hardy Perennial Blend. Pentstemons are most satisfactory perennials. This mixture contains many varieties not listed separately. Pkt., 25c.

NEW GIANT ANNUAL PHLOX □

Culture: A, B, D or E, Page 67

4104A Gigantea, Red Glory. The richest bright red, with contrasting white eye. Its color is the same as Scarlet Flax; a free, continuous bloomer. Honorable Mention All-America, 1942 Pkt., 25c.

4103A Gigantea Rosy Morn. A gay combination of rose pink with a white eye, a color that will not fade in the strong sun. Pkt., 25c.

4103 Gigantea Art Shades. A new strain with flowers 1½ inches in diameter, in a remarkable variety of soft color tones, which blend delightfully. ¼ oz., 35c; ½ oz., 60c; pkt., 25c.

NEW GIANT CHINESE LANTERN ①

Culture: B, D or E, Page 67

8346 Physalis Gigantea. The attractive orange-scarlet balloon-shaped seed pods are very large and will make excellent winter decorations. Pkt., 20c.



Giant Fringed Scarlet

4054 Petunia Golden Jubilee. □ A most attractive variety with its fringed, 3½-inch flowers of bright carmine, tinged scarlet, with golden throat. Pkt., 35c.

Gay Fringed Beauty

4083 Petunia Blushing Maid. Its single flowers are of largest size, deeply fringed and ruffled, of a rosy pink and white with yellow veins and throat. One of the loveliest giant singles. Pkt., 35c.

RED ICELAND POPPY ①

Culture: B, D or E, Page 67

8272 Papaver Nudicaule Cardinal. In the Iceland Poppy red was long missing. This is a brilliant cardinal-red on long and strong stems. Cut in bud-stage, the flowers will keep for a long time. Pkt., 25c.

8291 Nudicaule Gartford Giant Art Shades. Exceptionally large flowers, fluted and carried on long wiry stems. The colors include lovely pastels. Pkt., 25c. For other varieties, see Perennial Pages

GIANT PYRETHRUMS ①

Culture: B, D or E, Page 67

These large "Painted Daisies," blossom with the tall Iris and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seed. 1 to 2 ft.

8438 Robinson's Hybrids.

A selection made by an English specialist, with a fine color range of single overlapping petals carried on long stiff stems. Pkt. 25c.

8438A Robinson's Dark Crimson. Pkt., 25c.

DOUBLE PYRETHRUMS

Come about 60 to 70% true double; balance will be semi-double and fine single sorts. The second year the percentage of doubles will be higher.

8433 Double Blood Red.

8433A Double Sulphur.

8434 Double White.

Each of above, per pkt., 50c.

8430 Double Mixed. Extra choice, selected seed. Not all will be double the first year but the doubles will increase the second year. Pkt., 35c.

ANNUAL SCABIOSAS

Culture: A, B, D or E, Page 67

4744 Heavenly Blue.

A lovely azure-blue, very early. Plants are dwarf, 18 in., bushy suitable for bedding. Pkt., 25c.

4738 Peace. Flowers are 2 in. across, almost spherical; pure white. 2-ft. Pkt., 25c.



4083 PETUNIA Blushing Maid, Pkt., 35c.



3934 PETUNIA Dwarf All-Double Victorious Mixed, Pkt., (100 seeds) 50c.



Glamorous Annual Phlox

Culture: A, B, D or E, Page 67

4104 Gigantea Salmon Glory. □ Florets measuring 1½ inches, of pure salmon pink. They not only register well in border clumps and bedding masses, but are useful cut flowers, all summer. Pkt., 20c.



Sky Blue Scabiosa

Culture: A, B, D or E, Page 67

4731 Scabiosa Blue Moon. 4 ft. Large blossoms of conical shape of sky-blue tinged with lavender, borne on long, strong stems, ideal for cutting. Pkt., 15c.



New Giant Salpiglossis □

Culture: A or B, Page 67

4620 Dwarf Giant Flowered Salpiglossis. Giant flowers of all the delightful colors of this gold-veined trumpet flower are borne on low growing plants of compact habit, and will cover the bed or border with glowing color. Many consider this the best of all summer cut flowers. Pkt., 20c.



Luminous Rose Verbena □

Culture: A, B, D or E, Page 67

5661 Verbena Roseglow. The rose colored blossoms glow in the sunlight, thanks to the unusual blending of deep rose shading to orange scarlet, without the eye found on most verbena florets. It is tall, vigorous and free flowering. Pkt., 25c.



Salvia Splendens of Purple and Scarlet □

Culture: A, B, D or E, Page 67

4665 Salvia Indian Purple. A true-violet purple, similar in habit to Scarlet Sage, holding its color and flowers through the hottest summer. Gives striking effects in combination planting. Pkt., 25c.

BEST SCHIZANTHUS STRAIN □

Culture: A or B, D or E, Page 67

4753 Vaughan's Dwarf "Masterpiece." This is to our knowledge the best strain of Schizanthus in existence. The plants grow dwarf and compact, making them most suitable for pot culture. The flowers vary from light pink to dark violet, all with conspicuous blotches. Pkt. (100 seeds), 50c.

NEW EARLY SWEET PEAS

Culture: A, D or E, Page 67

New Spring Flowering Spencer (Intermediate). This new class has the size and vigor of late flowering varieties, combined with much earlier flowering and resistance to summer heat, giving a long season of bloom where summers are hot.

- | | |
|-------------------------|----------------------------|
| 5275 Blackseeded | 5279 Lavender |
| White Improved | 5280 Light Lavender |
| 5278 Blue | 5281 Mauve |
| 5276 Clear Pink | 5277 Rose Pink |

Each of above, pkt. (40 seeds) 20c; 3 pkts. 50c.

5285 Mixed New Spring Flowering Spencer
Pkt. (40 seeds) for 20c; ½ oz., 60c; oz., \$1.00.

VINCA ROSEA (PERIWINKLE)

Culture: D or E, Page 67

5769 Twinkles. Large flowers of an unusual soft blush pink with a bright red eye. Pkt., 15c.

PANSY VIOLETS

Culture: A or B, Page 67

Violas bearing flowers that approach the Pansy form. They have great vigor and will flower freely in all kinds of weather.

5811 Calcarata. A long-stemmed royal indigo with radiate pencillings, but there will also be purple, cream or rare pink lilac. Pkt., 20c.

5811A Nigra or Black Imp. Quaint little flowers that might have been snipped from black velvet, come true from seed. May be naturalized effectively. Blooms quickly first year from seed. Pkt., 25c.

5812 Saxatilis. Myriad flowers carried well over the low, spreading plants, golden yellow, lemon, lavender, mauve and rosy lilac, and two-tone flowers. Easy from seed, first year. Pkt., 25c.

5805 Yellow Gem. Free flowering clear yellow of compact habit, reproduced nearly true from seed. Pkt., 20c.

BUTTERFLY VIOLAS

These are friendly flowers at home in the rock garden. Bloom in earliest spring and occasionally in the fall.

5796A Jovi. In full flower by early April, before its own leaves appear. It is then a cushion of pink lilac. Sometimes called Jewel Violet. Pkt., 25c.

Largest Purple Viola

Culture: A or B, Page 67

5802A Viola King Henry (Purple King). A perennial blossoming the first year. Flowers 1-inch in diameter cover bushy plants 6 inches tall, during a long season. A deep purple violet with lighter center and yellow eye, an effective contrast. Violas have a much longer flowering season than Pansies, and will flower all summer if the faded blossoms are picked off. Pkt., 25c.



Tom Thumb Zinnias □

Culture: A, B, D or E, Page 67

6050 Zinnia Lilliput Tom Thumb Mixture. Small double flowers cover the plants which grow 6 inches tall. Red, orange, pink, yellow and white pastels. Delightful for low bowls. ¼ oz., 50c; pkt., 15c.

LARGEST OF ALL ZINNIAS

5902 Burpee's Super Giant Zinnias. 3ft. Flowers are 5½ to 6½ inches across and of a wide diversity of colors and forms; some like Dahlia-Flowered, others like Giants of California and still others with curled and twisted chrysanthemum-like blossoms. Striking in the garden; excellent for cutting. Rare and unusual shades of cream, buff, apricot, salmon, rose and orange predominate, with yellow, white, scarlet and crimson, and many two and three-tone effects. Pkt., 25c.

6143A Giant Dahlia Flowered Will Rogers. 2-3 ft. The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other, the flowers often 4 inches in depth and 6 inches in diameter, resembling Show Dahlias of the loveliest and most brilliant scarlet red. Pkt., 15c.



5802A VIOLA King Henry. Pkt., 25c.



Pretty Star from Texas

Culture: A, B, D or E, Page 67

4820 Star of Texas (Xanthisma Texanum). □ Bushy 18-inch plants bear these bright yellow Daisies on wiry stems. Sow early in the open, plants bloom freely and like dry, sunny places. Pkt., 25c.

Vaughan's Annual Flower Seeds

COMPLETE LIST OF STANDARD VARIETIES

Surprise Garden Mixture

80 Different Annual Flowers
Growing 1 to 3½ Feet Tall. Oz. 25¢

5848 **Vaughan's Surprise Garden of Annuals** is a "garden lover's dream come true." From early Spring until killing frost there is a procession of color. It has been the brightest spot in our trial grounds all summer. It is not a collection of left overs; but a carefully prepared formula of more than eighty different annual flowers, many of which you have never seen. We want you to know them, and you will be delighted to make their acquaintance and probably will want to order separately another year. Furnishes an unending amount of cutting material and a daily surprise to see what will appear next. This mixture does not contain seeds of vines, nasturtiums, etc. Allow plenty of space to avoid crowding, keep watered and weeded, and remove faded flowers. Use these packets (1 oz., each 25c) for friends on their birthdays.

Oz., 25c; ¼ lb., 80c; 1 lb., \$3.00

"Please send me your Surprise Garden Mixture again. Why the children used to get up early just to see who could find the newer kind first. We were surprised and greatly pleased with the mixture. Hoping you will keep up this kind of mixture in the future."
—Mrs. G. S., Manitowoc, Wis.

Abutilon 3 to 4 ft. □
Culture: D or E, Page 67

122 **Giant Flowered Mixed (Flowering Maple)**. Its ornamental leaves are often variegated and it bears bell-shaped flowers of salmon, buff and pink in late summer. Pkt., 25c.

Abronia (Sand Verbena) □
Culture: A, B, D or E, Page 67

100 X 6 in. A trailing, succulent plant, with Verbena-like flowers of bright rose with white center in late summer and fall. Pkt., 10c.



166 **ACROCLINIUM Sensation Double Giant Mixture**. Pkt., 15c.

Acroclinium (Everlasting) □
Culture: A, B, D or E, Page 67

Its graceful, Daisy-like flowers, with straw petals of silky appearance when cut in the bud state, can be dried for winter bouquets. It blooms in 6 weeks from time of sowing. Probably the daintiest, both in form and coloring, of all the everlasting flowers. Height, 20 inches.

150 **Double Pink**.

155 **Double White**.

165 **Double Mixed**. Each of the above, pkt., 10c.

166 **Sensation Double Giant Mixture**. This large-flowering type is twice the size of the preceding one, with long, stiff stems; flowers are double and semi-double; white, chamois, flesh color and bright rose. Pkt., 15c.

Annuals must be replanted each spring, so permit new arrangements and color schemes each year.

Adonis □
Culture: A or B, Page 67

171 **Autumnalis (Red Chamomile)**. 2 ft. Of somewhat straggly growth with finely divided foliage, its flowers are rich scarlet freely produced in summer and autumn. Pkt., 10c.

170 **Aestivalis (Pheasant Eye)**. 1 ft. Early blooming annual with deep crimson flowers and feathery foliage. Sow where plants remain. Pkt., 10c.

Ageratums □ All Summer Blues

Culture: A, B, D or E, Page 67

Most popular summer blooming annuals supplying, during the season, dense heads of fluffy flowers in tones of blue and lavender, which are so necessary to balance the color effect in a garden.

180 **Tall Blue**. 18 in. Soft lavender-blue. Try this in the garden with Zinnia Pumila Pinkie for charming effect. ¼ oz., 25c; pkt., 10c.

185 **Tall White**. 18 in. Pkt., 10c.

190 **Tall Sorts Mixed**. ¼ oz., 25c; pkt., 10c.

196 **Blue Ball**. 8 in. Deep, dark blue. The plant is dwarf and symmetrical. In full bloom it is covered with small flowers, giving the appearance of a blue ball. ¼ oz., 35c; pkt., 15c.

200 **Blue Cap Improved**. 6 in. Definitely more dwarf than Blue Ball more compact in habit, with smaller leaves. Bright, deep, rich lavender blue. ¼ oz., 50c; pkt., 15c.

201 **King of the Blues**. See Novelties.

214 **Fairy Pink**. See Novelties.

195 **Midget Blue**. See Novelties.

217 **Little Blue Star**. 4 in. Flower opens light blue with purple center and develops to a bright blue self. Pkt., 15c.

187 **Purple Perfection**. 8 in. (Improved Blue Perfection). Vivid dark purple. Compact plant bearing large flowers, freely produced. Fine for ribbons, and edging. ¼ oz., 25c; pkt., 15c.



5848 **SURPRISE GARDEN**. Oz., 25c.

AGERATUMS—Continued.

220 **Lasseauxi**. Clear pink, excellent cut flower. Pkt., 15c.

215 **Venus**. 1 ft. Forms a dense bush which is profusely covered with flowers. The buds are red, the petals are white and the center of the flower red; a plant in full bloom is very charming. Pkt., 15c.

Amberboa □
Culture: A, B, D or E, Page 67

294 **Muricata**. A most pleasing annual flower, easy to grow, long blooming season, fine for cutting, and the garden. Flowers are 3 inch fringed laced stars of tyanian purple with lighter cushion centers. Good foliage. Drought resistant and hardy. Pkt., 15c.

Ammobium (White Immortelles) □
Culture: A or B, Page 67

295 **Winged Everlasting**. □ 2½ ft. Pretty white Everlasting. Grows well in sandy soil. Pkt., 10c.



200 **AGERATUM Blue Cap Improved**. Pkt., 15c.

KEY TO SYMBOLS: □ Annuals. * Biennials. ① Perennials. ÷ Greenhouse Plants. + House Plants. = Climbing Plants. X Rock Garden Plants.

Wilt Resistant Asters

See Cover Collection on Page 9.

If YOU should have any trouble raising Asters — TRY OUR WILT RESISTANT STRAINS. Perhaps your soil is infested with Aster wilt, but even if not, you will find the Resistant Asters much more vigorous and productive. While not immune from the Yellows disease, which is insect-borne and distinct from the Wilt, they are far less susceptible to infection and injury from it. Where we offer the Wilt Resistant Strain of a variety, we have omitted the ordinary strain from our list.

Culture: A, B, D or E, Page 67

VAUGHAN'S SPECIAL WILT RESISTANT MIXED

915 A specially prepared mixture containing in balanced proportion all the wilt resistant varieties we offer. An outstanding value for the cutting garden, or mixed bed or border. $\frac{1}{8}$ oz., 40c; pkt., 15c.

946 Pink Shades Mixed. 947 Light Blue Shades Mixed.

948 Dark Blue Shades Mixed.

Each of above, pkt., 15c; 3 pkts. for 40c.

903 ASTER
Giant Branching

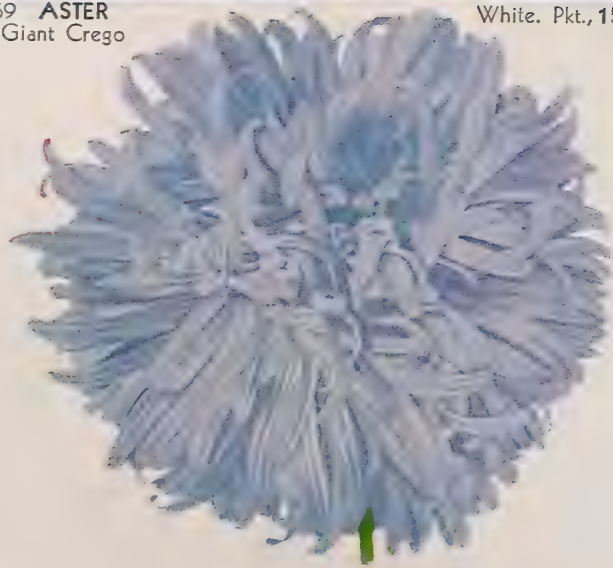


Deep Rose.
Pkt., 15c.



569 ASTER
Giant Crego

White. Pkt., 15c.



541 ASTER Early Giant, Light Blue. Pkt., 25c.

SPECIAL OFFER 18

One Packet Each, 3 Varieties Illustrated above for 45c.

541 Aster Early Giant, Light Blue. 569 Aster Giant Crego, White.

903 Aster Giant Branching, Deep Rose.

Early Beauty

Attains a height of 2 to 3 feet of branching habit. Flowers large, borne on long stout stems. Bloom at same time with Crego and Giant Branching.

527 Azure Blue. 531 Purple. 533 White.

528 Black Prince. 532 September Beauty,

536 Carmine Rose. flesh pink.

529 Crimson. Each of above, pkt., 15c; 3 pkts. for 40c.

534 Mixed. $\frac{1}{8}$ oz., 35c; pkt., 15c

Early Giant

An exceptional new class. The flowers are full petaled with broad, graceful petals, daintily plumed and intertwined, very large, 4 to 5 inches across. Plants $1\frac{1}{2}$ to 2 ft. tall with branches coming low on the central spike. There are practically no laterals or side branches. Four to six weeks earlier than the Giants of California.

541 Light Blue. A big lacy flower. 542 Peachblossom. White flushed pink.

543 Rose Marie. Rich, lively shade of rose.

Each of above, Pkt., 25c; any 3 pkts. for 65c.

544 Mixed. All three colors. $\frac{1}{8}$ oz., 50c; pkt., 25c.

Giant Crego — Ostrich Feather

The flowers are immense on stems. The petals are curled and twisted, plants branching. Flowers in abundance from late August until frost. 24 inches.

559 Azure Blue. 561 Crimson. 565 Pink.

560 Blue Flame, navy blue. 563 Deep Rose. 566 Purple.

564 Lavender. 568 Violet.

560A Cattleya fascinat- 562 Enchantress, 569 White.
ing shade of orchid. salmon rose.

Each of above, Pkt., 15c; any 3 pkts., 40c.

575 Mixed. $\frac{1}{8}$ oz., 35c; pkt., 15c.

Giant Branching

The branching habit is accompanied by vigor of growth and profusion of bloom. The flowers are large, very double, stems long and colors vivid. 2 to 3 ft.

905 Azure Blue, dark lavender.

904 Crimson. 906 Purple. 901 White.

903 Deep Rose. 902 Shell Pink.

Each of above, pkt., 15c; any 3 pkts., 40c.

898 Mixed. $\frac{1}{8}$ oz., 35c; pkt., 15c.

Heart of France

929 Opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals show now a glow and sheen, now a soft warm velvety texture. 18 to 24 inches. $\frac{1}{8}$ oz., 45c; pkt., 15c.

893 Giant Comet Illusion.

2 ft. A soft pastel apricot pink. Plants upright, stems short. It is customary to cut the whole plant for a bouquet. Pkt., 25c.

624 King Mixed. $2\frac{1}{2}$ ft. Medium sized pretty flowers with long quill-like petals. Upright grower. Early mid-season bloom. $\frac{3}{8}$ oz., 40c; pkt., 15c.

937A Giant Mammoth Peony-Flowered Silvery

Rose. Immense, fully double flowers resembling the Beauty type, borne on long, stout non-lateral stems. Grows $2\frac{1}{2}$ to 3 feet tall. An attractive variety with its rich rose silver tipped flowers. Pkt., 25c.



929 ASTER Heart of France. Pkt., 15c.

WILT RESISTANT ASTERS—Continued



Vaughan's Excelsior
Mixture of Tall As-
ters, All Types

990 A mixture of the most beautiful, tall-growing Asters, Wilt Resistant and Non-Resistant, including the varieties listed and others. 1/8 oz., 50c; large pkt., 25c; pkt., 15c.

Golden Sheaf

556 The deepest yellow Aster yet offered and the only one that is Wilt Resistant. The flowers are fully double with an attractive crest-like center of good substance and fine depth of petal. Pkt., 20c.

556 ASTER Golden Sheaf. Pkt., 20c.

Queen of the Market (Early Flowering)

The favorite early Aster, usually in full bloom two weeks before most others begin to blossom. Of graceful spreading habit. 16 inches.

- 921 Crimson. 923 Purple, dark blue. 926 Scarlet.
925 Light Blue. 925C Rose. 924 White.

Each of above, pkt., 15c; 3 pkts. for 40c.

- 928 Mixed. 1/8 oz., 35c; pkt., 15c.

SINGLE GIANTS OF CALIFORNIA

The flowers are 3 to 4 inches with broad petals closely placed around the large center. Plants 2 to 3 feet, stems with few lateral branches. Mid-season.

- 865 Deep Lavender. 867 Flesh. 869 Rose.
866 Deep Pink. 868 Purple. 870 White.

Each of the above, pkt., 15c; 3 pkts. for 40c.

- 871 Mixed. 1/8 oz., 35c; pkt., 15c.

Giant Non-Resistant Varieties

California Giants 2 ft.

California Giants combine the fluffy or feathered type of flower with the long, straight stems of the Beauty class. The large, double flowers with long, attractively curled petals, grow 5 in. and more in diameter, on stems 1 1/2 to 2 ft. long.

- 594 Appleblossom, shell pink. 604 Peachblossom, opens white
596 Crimson. flushes lavender pink.
601 Deep Rose. 600 White.

- 602 Dark Purple.
603 Light Blue. Each of the above, Pkt., 15c; 3 pkts. for 40c.

- 610 Mixed. 1/8 oz., 40c; pkt., 15c.

Giant Mammoth Peony Flowered

The flowers are immense, very double, borne on long, stout stems, free from laterals. Splendid for cutting as they keep longer than any other variety. 2 1/2 to 3 ft.

- 931 Azure Fairy. Clear azure blue. 936 Peachblossom.
935 Maiden's Blush. Delicate flesh. 937 Rosebud. A clear, deep rose.
933 Purple Robe. Rich purple blue. 934 Swan's Down. Pure white.

Each of the above, Pkt., 20c; 3 pkts. for 50c.

- 938 Mixed. 1/8 oz., 40c; pkt., 15c.

Giant California Sunshine. 3 ft.

The flowers are large, with loosely placed outer petals contrasting with the creamy yellow or blue centers, giving a lacy effect which is quite delightful.

- 882 Apple Blossom, shell pink. 886 Purple, dark blue.
884 Enchantress Pink, salmon pink. 885 Rose, light rose or deep pink.
885A Light Blue 883 White.

- 885B Lavender, azure blue.
Each of the above, Pkt., 25c; 3 pkts. for 65c.

- 887 Finest Mixed. 1/8 oz., 50c; pkt., 25c.

Super-Giants, Largest of All

Largest and most fully double Asters, with flowers from 6 to 8 inches across, plants 2 1/2 ft. tall, with six to eight long stems. Early flowering.

- 943 El Monte. Like Los Angeles in size, and form, but of a deep glowing crimson. Blooms early and remains in flower for a long season. 1/8 oz., 50c; pkt., 20c.
942 Los Angeles. Pure shell pink, with huge flowers, but of charming form, with curling, interlaced petals, giving a feathery effect. 1/8 oz., 50c; pkt., 20c.

Best of All Reds

- 646 Scarlet King (Beacon). 20 in. Finest of all red Asters; fully double flowers of color even more intense than Heart of France. Excellent for cutting. One of our customers wrote us last spring: "One of the outstanding flowers in bloom in my garden last year was your Aster Scarlet King (Beacon)." Pkt., 15c.



943 ASTER Super Giant, El Monte. Pkt., 20c.



933 ASTER Peony Flowered Purple Robe. Pkt., 20c.



884 ASTER Giant California Sunshine. Enchantress Pink. Pkt., 25c.

Sweet Alyssum (Ideal for Edging) □



- 255 ALYSSUM Vaughan's Little Gem. Pkt., 10c.
 3174 MARIGOLD HARMONY. Pkt., 15c.
 1164 BORDER SPECIAL. One pkt. each above, 20c.

African Daisy (Arctotis) □

Culture: A, B, D or E, Page 67

- 449 *Breviscapa Aurantiaca*. Deep shade of orange yellow with purple disk. A deep and most attractive shade. Pkt., 25c.
 450 *Grandis (Blue-Eyed African Daisy)*. 3 ft. It forms bushes bearing 2 inch daisy flowers of pearly white with a gold band surrounding a delicate mauve center. It closes at evening and displays its lilac tinted undersides. Foliage gray green. Especially good cut flower. $\frac{1}{4}$ oz., 30c., pkt., 10c.
 451 *New Hybrids*. 8-12 inches. A new race of African Daisies rivaling in size and variety of coloring the famous Gerberas, which they closely resemble, but much easier to grow in the garden. Flower $2\frac{1}{2}$ to 3 inches; likes a dry, sunny location. Excellent as a border plant and fine for cutting. Pkt., 25c.
 452 *Scapigera*. Flowers 3 inches in diameter, resemble those of the Shasta Daisy, of a soft lilac, on long slender stalks, about 18 inches in height. In bloom all summer and fall. Pkt., 35c.

Amaranthus □

Culture: A, B, D or E, Page 67

Tall, vigorous ornamental foliage plants, with showy flower clusters, which attain their finest coloring in hot, sunny locations. Rich soil increases the size of leaves at the expense of their color. Give plenty of room.

- 267 *Caudatus (Love Lies Bleeding)*. 3 ft. Drooping red spikes. Pkt., 10c.
 270 *Molten Fire*. 3 ft. Brilliant Poinsettia-like tips. Pkt., 10c.
 275 *Tricolor (Joseph's Coat)*. $2\frac{1}{2}$ ft. The inner foliage is of blackest bronze, tipped with green, the outer bright scarlet and gold. Pkt., 10c.
 285 *Vaughan's Special Mixture*. A well balanced mixture of the above and others. Pkt., 10c.



450 ARCTOTIS Blue-Eyed African Daisy. 10c.

Culture: A, B, D or E, Page 67

IT IS truly queen of edging plants whether grown in a continuous ribbon or alternated with Violet Queen, yellow Signata Marigold, or dwarf Ageratum. Its white flowers never fail; it is amazingly vigorous and hardy, and exceptionally uniform.

- 255 *Vaughan's Little Gem (White Carpet)*. 4 in. The plants are so completely covered with snow-white blossoms they create the impression of a beautiful white carpet. Sweet Alyssum puts a lace frill to any garden and enhances the colors of every flower. $\frac{1}{4}$ lb., \$2.00; 1 oz., 75c; $\frac{1}{2}$ oz., 40c; $\frac{1}{4}$ oz., 25c; pkt., 10c.
 250 *Maritimum (Sweet Alyssum)*. 10 in. Flowers white and honey-scented, produced from early in the season, until freezing. Mix the seed with sand to prevent sowing too thickly. 1 oz., 40c; $\frac{1}{2}$ oz., 25c; pkt., 10c.
 259 *Violet Queen*.—See Page 10.
 261 *Lutescens*. 8 in. Dwarf, cream or straw color. Pkt., 10c.
 See also Perennial Pages.



307 ANAGALLIS Coerulea. Pkt., 10c.

Anagallis (Pimpernel) □

(Poor man's Weather Glass)

Culture: A, B, D or E, Page 67

- 307 *Coerulea*. 11 in. One of the most conspicuous low growing blue flowers, but must have a sunny place to do well. The plants spread rapidly and bloom freely. The flowers are of a real turquoise-blue. $\frac{1}{8}$ oz., 25c; pkt., 10c.
 308 *Scarlet Pimpernel*. 11 in. "The Scarlet Pimpernel," immortalized by Baroness Orczy in her famous novel. A brilliant half-hardy annual which can be sown outdoors where the plants are to bloom, and will give a display all through the summer months. Pkt., 25c.
 309 *Terra Cotta Red*. A new vivid color. Pkt., 15c.
 305 *Mixed*. 6 in. Dwarf plants, blue and scarlet flowers, effective as edgings, also charming on rock-work and in pots. $\frac{1}{8}$ oz., 25c; pkt., 10c.

Anchusa □ 2 ft.

Culture: A, B, D or E, Page 67

- 311 *Blue Bird*. Compact habit and bearing its flowers in a luxuriant bouquet at the top of the plant. Flowers are of an intense blue with a distinct white eye. Blooms all summer. One of the best blue annuals. Try it with *Cacalia*. You will enjoy the blue of the *Anchusa* with the yellow and henna shades of the *Cacalia*. $\frac{1}{8}$ oz., 25c; pkt., 15c.
 310 *Capensis (Summer Forget-me-not)*. Gentian-blue flowers, borne in drooping clusters from July to October. Similar to *Forget-me-not*, blossoms larger and of finer color. $\frac{1}{8}$ oz., 15c; pkt., 10c.
 See Perennial Pages Also.

ASPARAGUS—See page 68.

490 ASPERULA Blue Woodruff. Blue. Pkt., 10c.



1143 BRACHYCOME Blue, 1140 White. Each Pkt., 10c.

Brachycome

(Swan River Daisy) □

Culture: A, B, D or E, Page 67

A free-flowering, dwarf-growing annual, 12 inches tall, covered during the greater part of the summer with a profusion of dainty flowers which resemble small *Cinerarias*, suitable for edgings, small beds or pot culture.

- 1140 White. 1143 Blue.
 1141 Pink. 1146 Mixed. $\frac{1}{8}$ oz., 25c.
 Each of the above, pkt., 10c.

Agrostis □ 1 1/2 ft.

Culture: D or E, Page 67

- 235 *Nebulosa (Cloud Grass)*. An airy and graceful annual grass, looks like a line of mist when in bloom. Beautiful with cut flowers. Pkt., 10c.

English Daisy ① □

BELLIS PERENNIS (6 to 8 inches)

Culture: C, Page 67

Double Giant Daisies of robust habit. Remarkably fine effects are obtained when associated with Pansies or *Forget-me-nots* in beds or borders.

- 1119 *Monstrosa Alba*. Large white. Pkt., 15c.
 1121 —Red. Pkt., 15c.
 1123 —Rosea. Light rose. Pkt., 15c.
 1131 —Mixed. Pkt., 15c.

1116 *Double Choice Mixture*. Pkt., 10c.

BABY'S BREATH, See *Gypsophila*.

BIDENS Humilis See *Cosmos* Miniature Golden.

BLACK-EYED SUSAN See *Rudbeckia* (Perennial seeds) and *Thunbergia* (annual seeds).



1131 BELLIS Monstrosa Double Mixed. 15c.

All the Best New Snapdragons

Culture: A or B, D or E, Page 67

425 Vaughan's Special Mixture of Snapdragons. (Antirrhinums). Includes all the varieties, providing a never ending color feast of long stemmed cut flowers. 1 oz., \$1.50; ¼ oz., 40c; ⅓ oz., 25. Pkt., 15c.

Rust-Resistant

If you have found Snapdragons difficult to grow, rust is probably responsible. Rust is a widespread disease which discolors the leaves and saps the vitality. Growing the Rust-resistant strain, difficulties disappear. Seeds germinate better, plants are more vigorous, the foliage clean, flowers large and of fine color and the flowering season prolonged.

Rust-Resistant Maximum

Giant Flowered. Spikes 32 inches tall, and blooms 2 to 2½ inches across.

These have huge individual flowers and flower spikes.

- 341 **Maximum Alaska.** White.
- 342 **—Autumn Glow.** Copper shades.
- 343 **—Campfire.** Pure luminous scarlet.
- 344 **—Canary.** Yellow.
- 343A **—Copper King.** Burnished copper.
- 344C **—Daffodil.** Beautiful two-tone yellow.
- 345 **—Fair Lady.** Silver pink with white tube and yellow tip on lip.
- 424 **—Golden Rod.** The most rugged and most rust-resistant of all Snapdragons. Spikes stand up like rods. Plants are base branching, 26 in. tall with many unusually thick, erect, well-filled spikes of large, bright golden yellow flowers, the edges of which are delicately waved and crinkled.
- 342A **—Golden Glory.** The deepest yellow.
- 343B **—Indian Summer.** Coppery orange-scarlet.
- 346 **—Loveliness.** Pure soft rose-pink.
- 347 **—Red Cross.** Deep rich crimson, white tubes.
- 341B **—Rose Brilliant.** Rich deep rose.
- 341A **—Swing Time.** Loveliest rose-pink, a bright yellow lip and white tube.

Each of above maximum type, Pkt., 20c; any 3 pkts., 50c.

No. 348 MIXED
All the above Rust-resistant Maximum Snapdragons Mixed. Pkt., 25c; 3 pkts., 65c.

See Also Novelties.

- 325 **Majus Rust Proof Mixed.** Pkt., 20c.
- MAJUS GRANDIFLORUM—Large Flowering.**
- 344B **Grandiflorum Daintiness.** (Pink Domino). Rose pink, white tube.
- 350A **—Opal Queen.** A delicate combination of salmon and apricot, pale yellow lip.
- 348A **—Orange Shades.**
- 336 **—Rosalie.** A rich deep rose with underlying tone of topaz or amber. The tube and lip are the same color, which greatly intensifies the depth and richness of color. Plants base branching and produce 6 to 8 huge flowering spikes on which the florets are decidedly well arranged.
- 337 **—Salmon Pink.**
- 338 **—Shasta.** Pure white.
- 353 **—Stoplight.** Copper scarlet.
- 352 **—Yellow Jacket.** A clear deep yellow.

Each of above, pkt., 20c; any 3 pkts., 50c.

SUPER-MAJESTIC TYPE—Semi-tall Giant Flowered

- 327 **Orange Shades.** Marvelous shades of rose deeply overlaid tangerine or golden orange.
- 326A **Rose Sensation.** Richest rose pink with a slight touch of salmon.
- 329 **Royal Crimson.** Garnet crimson.
- 331 **Silver Pink.** Lovely deep pink with a white blotch on the lower lip.
- 332 **Super-Majestic Type Mixed.**

Each of Super-Majestic type, pkt., 20c; any 3 pkts. for 50c.



Typical Florets of Vaughan's Giant Rust-Resistant Snapdragons

- | | |
|-----------------------------|------------------------------|
| Left side,
reading down. | Right side,
reading down. |
| 341A Swing Time | 343 Campfire |
| 344 Canary | 346 Loveliness |
| 343B Indian Summer | 347 Red Cross |
| 336 Rosalie | 424 Golden Rod |
| 338 Shasta | 329 Royal Crimson |

Each of above, pkts., 20c; any 3 for 50c.

Not-Resistant

Semi-Tall Sorts, 18 to 20 inches

These are recommended for most beds and borders as they require no staking. The flowers have many new shades and tints.

- 363 **Amber Queen.** Amber overlaid chamois pink, gold lip.
- 368 **Black Prince.** Nearly black, small dark leaves.
- 379 **Empress.** Rich crimson.
- 383 **Fascination.** Pale pink.
- 384 **Flame.** Brilliant orange-scarlet.
- 390 **Golden Queen.** Rich yellow.
- 388 **Little Giant.** A pure silvery pink.
- 398 **Nelrose.** Old rose, shaded blush.
- 398B **Othello.** Dark maroon satin sheen, dark foliage.
- 404 **Prima Donna.** Terra-cotta pink.
- 403 **Queen of the North.** Large white.
- 404B **Red Emperor.** Rich deep scarlet.
- 358 **Rose Eclipse.** Deep lustrous rose.
- 407 **Silver Pink.** Pearl pink self.
- 358A **St. George.** Rich deep rose.

Each of the Semi-Tall sorts, pkt., 10c; 3 for 25c.

- 409 **Semi-Tall Mixed Majus Nanum.** ⅓ oz., 45c; pkt., 10c.

320A Majestic Rose Princess. Individual flowers are of giant size and the color is a brilliant cerise rose with center overlaid gold. Sturdy spikes of bloom that will make a grand display in the summer border. Pkt., 25c.

DWARF BUSH TYPE

This little-known race forms round bush covered with flowerets. 8 in.

- 438 **Fireball.** Dark red, deep violet throat.
- 430 **Pink.** 431 **Yellow.** 435 **Snow Queen.**

Each of the above, pkt., 15c; 3 pkts. for 40c.

- 445 **Mixed.** The above. Pkt., 15c; 3 pkts., 40c.

ROCK HYBRIDS X

A delightful new strain forming compact tufts 4 to 6 inches high, covered with miniature flowers. Excellent for rockeries, small beds and edgings.

- 433 **Baby Rose.** Very free flowering, compact plants covered with flowers of a deep pink self tint. Much deeper in color than Magic Carpet. Pkt., 20c.
- 432 **Magic Carpet.** A Snapdragon of almost creeping habit, covered with soft pink flowers. Pkt., 25c.

Bartonia (Blazing Star) □ 2 ft.

Culture: A, Page 67

- 1070 **Aurea.** Showy golden-yellow flowers above its gray and downy thistle-like foliage, exceedingly brilliant in the sunshine. Sow where it is to remain, as it does not bear transplanting. Pkt., 10c.

Balloon Vine (Love in a Puff) □ =

Culture: D or E, Page 67

- 995 A clean, free-growing vine reaching 10 to 15 feet, bearing delicate clusters of bloom and numbers of large, round, inflated seed-pods resembling miniature balloons. Pkt., 10c.

Balsam Apple and Pear 10ft. □ =

Culture: A or B, Page 67

- 1008 **Mixed** Ornamental and quick-growing shrub. Excellent in covering unsightly places. Flowers are followed by ornamental fruits. Pkt., 10c.



1085 BEGONIA Scandinavia, Pkt., 25c.

Shade-Loving Begonias

Fibrous-Rooted Ever-Blooming

Culture: B, C, D or E, Page 67

A continuous flowering class of greatest value for bedding; the flowers are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer while seedlings of summer make decorative winter house plants.

Begonia seed is very fine. Open packets very carefully over a sheet of white paper.

- 1071 **Christmas Cheer Red.** The blooms attain a diameter of 2 inches. Dark crimson-scarlet. Pkt., 25c.
- 1072 **Christmas Pink.** Identical with above variety except the color is warm rose-pink. Pkt., 25c.
- 1077 **Gracilis Carmen.** Bright rose flowers in clusters well above the deep bronze foliage. Pkt., 35c.
- 1081 **—Prima Donna.** 1 ft. Brilliant, clear pink, shading to carmine-rose. Pkt., 25c.
- 1076 **—White Pearl.** White, foliage green. Pkt. 25c.
- 1084 **Semperflorens Ile de France.** The best white. The foliage is identical to Christmas Cheer, only light green. The flowers are 1 1/4 inches to 1 1/2 inches, pure white, with bright yellow stamens. They grow in compact form, not to exceed 12 in. Pkt., 35c.
- 1083 **—Kaethe Teicher.** The flowers being of the exceptional size of 2 1/2 in. across and more. The plants are compact and of regular growth, about 10 in. high. The strong dark-green foliage forms an effective foil to the pure carmine of the flowers, which appear in rich abundance. Pkt., 35c.
- 1087 **—Masterpiece.** One of the largest flowered fibrous rooted Begonias, and the clear rose-pink blossoms have made it a great favorite both for greenhouse and for bedding. The flowers fairly cover the foliage. Pkt., 50c.
- 1086 **—Salmon Queen.** Large salmon flowers with dark leaves. Pkt., 35c.
- 1085 **—Scandinavia.** A large-flowered pink variety. Plants are of good branching habit with dark green foliage. Excellent for winter flowering. Pkt., 25c.
- 1090 **Semperflorens Mixed.** Pkt., 25c.

Tuberous Rooted

Culture: D or E, Page 67

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted Begonias for greenhouses and for summer bedding. A little difficult to raise without greenhouse.

- 1103 **Double Mixed.** Producing on strong, erect stems an abundance of very double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Pkt., 50c.
- 1105 **Frilled Mixed.** Best frilled flowers. Pkt., 35c.
- 1099 **Single Mixed.** Saved from finest exhibition varieties having large, well-formed flowers of many tones of red, orange, pink, salmon, etc. Pkt., 35c.

Calandrinia

Culture: B, D or E, Page 67

- 1174 **Umbellata Amaranth.** 3 in. A sun loving dry weather perennial rock plant that blooms from seed the first year if sown early. Vivid purple flowers make a rich display from July through September. Member of Portulaca family. Pkt., 25c.

Special Mixture of Annuals for Cut Flowers

Culture: A or B, Page 67

No. 1400 The forty or more varieties in this blend are chosen for their value as cut flowers. They are the long stemmed brightly colored flowers that go so well in vases and baskets. This will produce a glorious variety of flowers for cutting. We suggest planting in rows in the vegetable garden where the plants may be cultivated and the blossoms kept cut close so the production of flowers will be encouraged, as the more one cuts the more one has, the secret being not to allow any seed pods to form. Lb., \$5.00; 1/4 lb., \$1.50; oz., 50c; 1/2 oz., 30c; pkt., 15c.



Type of BUSH BALSAM 1052 Pink. Pkt., 25c.

Bush Balsam 1 1/2 to 2 ft. Gardenia Flowered

Culture: A, B, D or E, Page 67

Free-flowering double Balsam of bushy growth, flowers appear in clusters on the top of stems instead of hidden on side of stems. It is a fine border plant. One of our customers wrote us this year: "My Dwarf Bush Balsams looked exactly like little rose bushes."

- 1052 **Pink.** 1054 **White.**
- 1053 **Red.** 1055 **White Reflected Rose.**
- Each of above, pkt., 25c; any 3 pkts. for 65c.
- 1051 **Mixed.** 1/2 oz., 50c; pkt., 25c.

Balsam (Lady Slipper)

An old favorite producing double flowers clustered in the axils of the leaves on short stems. The plants like hot sun, rich soil and plenty of water.

- 1014 **Crimson.** 1018 **Dark Blue.**
- 1025 **Lilac.** 1022 **Lemon Queen.**
- 1010 **Pure White.**
- 1027 **Prince Bismarck.** Salmon-pink.
- 1031 **The King.** Brilliant scarlet.
- 1033 **The Queen.** Satiny salmon-pink.
- Each of above, pkt., 10c; any 3 pkts. for 25c.
- 1040 **Double Rose and Camellia-flowered Mixed.** 1/4 oz., 25c; pkt., 10c.
- 1045 **Vaughan's Invincible Balsams, Mixed.** Includes the Bush Balsams and others not listed. 1/8 oz., 25c; pkt., 10c.
- 1320 **CARDINAL CLIMBER.** Fast growing vine bearing bright red trumpet flowers. 1/4 oz., 30c; pkt., 10c.



1155 BROWALLIA Speciosa Major. Pkt., 25c.

Browallia

Culture: A or B, Page 67

Profusely blooming bedding plant, covered during summer and autumn with flowers of a rare shade of intense blue, grows freely in any rich soil; blooms well in the winter if lifted and cut back. In the garden they grow with 12 inch stems and make fine cut flowers.

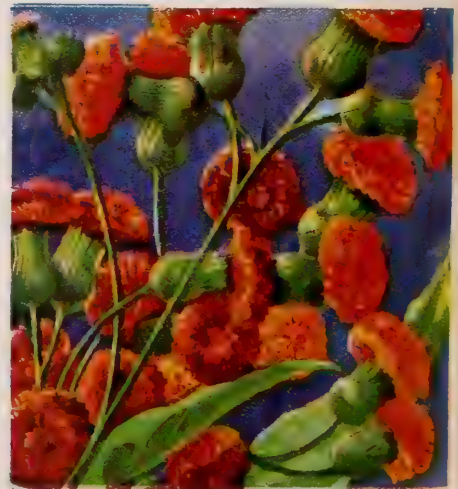
- 1157 **Blue.** Pkt., 10c.
- 1156 **White.** Pkt., 10c.
- 1160 **Mixed.** Blue and white. Pkt., 10c.
- 1161 **Sapphire.** See novelty pages.
- 1155 **Speciosa Major.** Brilliant ultramarine blue; a rare color; for border or hanging baskets. Pkt., 25c.

Cacalia (Tassel Flower)

Culture: A only, Page 67

This "perky" little annual blooms in a few weeks from seed. The flowers of scarlet or gold on branching stems look exactly as the name indicates, fluffy tassels, less than half an inch in diameter. Blooms until heavy frost. Try these in a copper bowl with the Castor Bean (Ricinus) seed pods and leaves for a lovely effect.

- 1172 **Aurea.** Pkt., 10c. 1171 **Scarlet.** Pkt., 10c.
- 1170 **Mixed.** Scarlet and yellow. 1/2 oz., 25c; pkt., 10c.



1170 CACALIA (Tassel Flower.) Pkt., 10c.

Grow Cacti from Seed

Culture: C, D or E, Page 67

Growing Cacti from seed is easy and interesting, each miniature plant being perfect. The seeds germinate irregularly over a period of from 14 to 40 days.

- 1251 **Cacti.** All kinds and forms mixed. Pkt., (50 seeds), 25c; 5 pkts. for \$1.00.

CALIFORNIA POPPY—See Escholtzia.

New Giant Calendulas

Culture: A, B, D or E, Page 67

Calendula is one of the best annuals for the garden or greenhouse, being equally at home in either place. Vast improvements in size, shape and color of late years have changed the original "Pot Marigold Cinderella" into a Royal Princess. Keep the flowers cut for continuous blooming. Make a late sowing in early July for flowers in cool weather; they stand heavy frosts, and are last to die.

- 1198 **Apricot.** A flat petaled variety of a bright apricot shade, deepening slightly towards the center. Pkt., 10c.
- 1194 **Ball Gold.** Extra long stemmed, large deep golden yellow. Pkt., 15c.
- 1194A **Ball Lemon Queen.** Deep lemon yellow with attractive brown eye. Pkt., 15c.
- 1191 **Ball Orange.** It has fine stems and immense double flowers of a brilliant glistening orange. Pkt., 15c.
- 1200 **Campfire (Sensation).** Flowers grow 4 inches wide, completely double, are of a deep orange. It grows vigorously with exceptionally strong, heavy stems. Especially selected stock. 1/8 oz., 50c; pkt., 15c.
- 1189 **Yellow Sunshine.** Large, double flowers on long, stout stems, petals broad and drooping, giving the flower a globular form. A pleasing buttercup-yellow color, free from Calendula odor and keeps well in water. Pkt., 10c.
- 1197 **Moonlight.** A beautiful soft cream yellow, with petals of the Chrysanthemum type, nearest approach to white of all Calendulas. The soft pale yellow harmonizes with anything especially with the blue of the Centaurea and the lavender of Aster Frikarti. Pkt., 15c.
- 1190 **Orange King.** 18 in. Outer petals are slightly imbricated, while the centers are incurved. A glowing orange. Pkt., 10c.
- 1203 **Orange Shaggy.** 18 in. Long fringed petals overlapping form a flower resembling some Chrysanthemums. Deep orange turning lighter at the center gives a two-tone effect. Long stems. Pkt., 10c.
- 1203A **Yellow Shaggy.** Has flower heads so deep they are globular, 3 in. across. The petals are quilled and deeply cut on the ends giving a shaggy and artistic appearance. Flowers are a bright clear yellow with lighter center, borne on very long stems and are excellent keepers. Plants grow 1 1/2 ft. Pkt., 25c.
- 1204 **Orange Fantasy Crested.** 15 in. Outer petals are long and twisted; inner petals are short and fantastically curled and interlaced, to form a heavy crest which surrounds a large, attractive, mahogany-bronze center. Flowers grow 3 3/4 inches across, of deep bronzy orange with petals edged deep mahogany-red. Pkt., 10c.



1200 CALENDULA Campfire (Sensation). Pkt., 15c.

Gay Calliopsis Clan □

Culture: A, Page 67

The annual Coreopsis, its flowers are similar in form, but many are marked with bands or centers of contrasting tones. Colors include variations of yellow and orange including brown, maroon and almost crimson. They are thrifty, vigorous, bloom throughout the summer and often self-seed.

- 1211 **Crimson King.** This is a dwarf variety with rich dark crimson flowers. Pkt., 10c.
- 1210 **Crown of Gold.** 20 in. Pure golden yellow, 2 inches across, on long, wiry stems; hardy and blooms nearly all season. Pkt., 10c.
- 1224 **Dazzler.** Dwarf variety with dark red flowers edged deep golden yellow. Pkt., 10c.
- 1216 **Golden Wave.** 2 ft. Yellow with circle of crimson-brown around the eye. Pkt., 10c.
- 1220 **Golden Crown.** A rich orange-yellow a third larger than Golden Wave. It has a pleasing fragrance and is nice for cutting, with 12-inch wiry stems. Pkt., 10c.
- 1217 **Nigra Speciosa.** 3 ft. Rich reddish maroon. Pkt., 10c.
- 1218 **Semi-Double Gold Crest.** A rich golden yellow with reddish brown zone. Flowers are 2 1/2 to 3 inches across, with a double row of mammoth petals. Pkt., 10c.
- 1240 **Double Mixed.** All colors. Pkt., 10c.
- 1235 **Dwarf Varieties, Mixed.** Valuable for small mixed beds and borders. Pkt., 10c.



1245 CALLIOPSIS Vaughan's Special Mixture. Pkt., 10c.

Candytuft (Iberis) □

Culture: A, B, D or E, Page 67

Successive plantings give flowers all summer. May be sown late in Fall in Tulip beds.

- 1260 **Giant Hyacinth-Flowered White.** 1 ft. Large, bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock. 1 oz., \$1.00; 1/4 oz., 25c; pkt., 10c.
- Umbellata 1 ft. Flowers in umbrella form.
- 1275 **Alba.** White. 1277 **Flesh.**
- 1276 **Carmine.** 1282 **Rose Pink.**
- 1279 **Crimson.** 1287 **Mixed.** 1/4 oz., 25c.
- 1286 **Lilac.** Each of the above, pkt., 10c; 3 pkts. for 25c.
- 1290 **Dwarf Hybrids Mixed.** 6 in. Compact plants covered with large flowers, rose, salmon, coral-pink to lilac and purple-crimson. 1/4 oz., 25c; pkt., 10c.
- 1291 **Dwarf White.** 1294 **Dwarf Crimson.**
- 1293 **Dwarf Rose.** 1295 **Dwarf Lilac.**
- Each of above, pkt., 10c; 3 pkts., 25c.
- 1289 **Little Prince.** 6 in. Immense spikes of snow-white flowers, borne in great profusion on dwarf sturdy plants. 1/4 oz., 30c; pkt., 10c.

Coix □ 2 to 4 ft.

Culture: A or B, Page 67

- 1850 **Lachrymae (Job's Tears).** An ornamental grass with curious seeds which may be used as beads. Pkt., 10c; oz., 20c; lb., \$1.80.

- 1202 **Pastel Bedding Mixture.** A balanced selection of dwarf varieties, in light apricot, salmon, orange, lemon and cream. Pkt., 10c.
- 1207 **Trial Ground Mixture.** Saved from the trial grounds of one of our growers who specializes in Calendulas. This fine blend is composed of all of the standard varieties plus varieties on which they are working and not yet introduced. The color ratio is approximately 2/5 Lemon and 3/5 Orange. Pkt., 15c.
- 1205 **Mixed, all colors.** For woodlands and perennial borders. 1/4 oz., 20c; pkt., 10c. See Novelty Pages.

1206 CALENDULA Vaughan's Special Mixture. Besides listed varieties, this mixture includes many others, giving a delightful collection for cut flower use or exhibition. Prepared by a formula which assures balanced representation of colors and types. 1/4 oz., 50c; pkt. 15c



1290 CANDYTUFT Dwarf. Hybrids Mixed. Pkt., 10c.

1245 CALLIOPSIS Vaughan's Special Mixture. It contains all the desirable types and colors of these beautiful flowers. A great number of kinds have been especially selected for it. 1/4 oz., 30c; pkt. 10c

Annual Canterbury Bells □

Culture: D or E, Page 67

Annual varieties of this splendid flower family bloom in about six months from seed, growing to 2 1/2 ft., and bearing six to eight spikes of bloom. A splendid late summer border flower.

- 1303 **Angelus Bell.** Deep rose. Pkt., 10c.
- 1302 **Blue Bell.** Cambridge blue. Pkt., 10c.
- 1304 **Liberty Bell.** Intense blue violet. Pkt., 10c.
- 1306 **Mission Bell.** Soft clear pink. Pkt., 10c.
- 1307 **Wedding Bell.** Satiny white. Pkt., 10c.
- 1305 **Mixed.** Contains all the colors so far developed of the annual strain including dark and light blue, pink, rose and white. Pkt., 10c.



Giant Carnations

1390 CARNATION Vaughan's Special Mixture. This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. They may be lifted in September, potted and will bloom in the house. Pkt. (100 seeds), **25c**

Culture: A or B, D or E, Page 67

Who doesn't love the spicy odor of the Carnation? Its beautiful blossoms may be grown from seed if sown inside and transplanted outside by the end of May. Plants lifted in fall, cut back will bloom again indoors.

Giant Enfant de Nice Carnations. They are of compact growth with extremely stiff stems bearing flowers 2 1/4 to 2 3/4 inches without disbudding. The colors come about 75% true from seeds and give about 90% of plants with double flowers.

- 1325 White. 1327 Rose.
- 1326 Salmon. 1328 Red.
- 1329 Mixed from varieties noted above.

Each of the above, pkt. (100 seeds), 35c.

Improved Early Flowering Perpetual. Plants bloom in five months and continue all summer. The flowers are very double, of large size, on stiff stems 15 to 18 inches high. Outstanding in our Trial Grounds last summer. Our strain will produce 90% double flowers and true color.

- 1336 White. 1340 Scarlet.
- 1337 Yellow. 1341 Maroon.
- 1338 Rose Pink. 1342 Salmon Rose.
- 1339 Flesh Pink. 1343 Mixed all colors.

Each of the above, pkt., 25c; any 3 pkts. for 65c.

1350 Giant Margaret Mixed. Flowers measuring 3 in. or more; colors include white, pink, crimson and striped. Upright growth. Pkt. (100 seeds), 15c. See Novelties and Perennials.

1390 CARNATION Vaughan's Special Mixture (100 Seeds), 25c.

Coleus 2 ft.

Culture: D or E, Page 67

Very handsome and decorative plants with foliage of brilliant varied colors, many having fantastic markings. Plant in full sun for complete development of color.

1855 Vaughan's Rainbow Mixture. The handsomest foliage plant obtained from seed. The leaves often measure 8x10 inches; their color combinations are remarkably rich. Pkt., 25c.

Glory. See Novelties.

1861 Large Leaved Copper. Pkt., 25c

1860 Fine Mixed. Pkt., 10c.



1855 COLEUS Vaughan's Rainbow Mixed. Pkt., 25c.



1820 COBAEA Scandens. Pkt., 10c.

Cobaea (Cathedral Bells)

Culture: A, B, D or E, Page 67 = 30 ft.

1820 Scandens. One of the handsomest rapid growing climbers. The bell-shaped flowers turn lilac. Seed should be sown edgewise. Very vigorous and prolific bloomer. 1/4 oz., 25c.

1825 White. 1830 Mixed. White and blue. Each of the above, pkt., 10c.

Caryopteris, is Uncommon

Cut Flower ①

Culture: A or B, Page 67

7373 Mastacanthus Mixed. Uncommon cut flower for fall. Tender perennial, treat as an annual, seed sown in spring will bloom in September and October. Clusters of Spiraea-like flowers in whorls at intervals along graceful stems. Silvery green foliage. Pkt., 15c.

CYCLAMEN—See page 68.



1700 CHRYSANTHEMUM Vaughan's Special Single and Double Annual Mixed. Pkt., 10c.

Chrysanthemums

ANNUAL SUMMER "MUMS" OR PAINTED DAISIES

Single Flowering Varieties. 20 in.

Culture: A, B, D or E, Page 67

Of the easiest culture; flower profusely during the summer and fall. They are showy in the garden and fine for cutting. Prefer heavy soil.

1635 Burridgeanum. Pure white petals with zone of rich brownish red and inner zone of yellow surrounding the dark brown disc. Pkt., 10c.

1638 Eastern Star. Primrose, yellow disc, brown eye. Pkt., 10c.

1637 Eldorado. Bright canary, dark mahogany disc. Pkt., 10c.

1625 Evening Star. Deep yellow, light brown eye. Pkt., 10c.

1650 Northern Star. White, lemon yellow ring, dark eye. Pkt., 10c.

1620 Morning Star. Petals primrose-yellow with halo of deeper yellow; dark yellow disc. Pkt., 10c.

1645 The Sultan. Rich wallflower-red with a narrow yellow zone around the brown disc. Pkt., 10c.

1627 W. E. Gladstone. Rich velvety purple, yellow ring. Pkt., 10c.

1655 Vaughan's Special Single Mixed. Showy flowers of bright colors. Pkt., 10c.

Double Flowering Varieties. 2 ft.

1656 Coronarium Double White. Pkt., 10c.

1659 —Double Golden Yellow. Pkt., 10c.

1695 —Vaughan's Special Mixture of Double Chrysanthemums. Pkt., 10c.

1647 Double Fringed. Improved Hybrids, choice mixed, rich colors, special selection. Pkt., 20c.

1664 Double Golden Crown. Has a robust constitution, 3 to 4 ft. tall, carrying from 50 to 60 flowers at one time. Rich golden flowers are double, with quilled petals. Pkt., 25c.

1700 Vaughan's Special Mixture. Single and Double sorts in finest mixture, including many varieties not catalogued. Pkt., 10c.

1711 CHRYSANTHEMUM Japonicum Anemone

Flowered Mixed. The flowers are beautifully quilled, 2 to 3 inches across, extensively varied in color including a wonderful assortment of gold and bronze tones characteristic of this new strain. Blooms from seed the first year, if sown early. Pkt. **50c**

See Novelty Pages for Korean Hybrids.

CINERARIA—See page 68.

CLOUD GRASS—See Agrostis Nebulosa.

CHINESE FORGET-ME-NOT—See Cynoglossum Amabile.

CHINESE LANTERN PLANT—See Physalis Franchetti.

CONVOLVULUS, Morning Glory—See Page 36.

CORNFLOWER—See Centaurea.



1570 **CENTAUREA Imperialis Mixed.** (Sweet Sultan). Pkt., 10c.

Giant Sweet Sultans □
Imperialis 2½ ft.

Finest of all Sweet Sultans for cut flower purposes. The beautiful sweet-scented, artistic shaped flowers are borne on long, strong stems; when cut and put in water will last for several days in good condition.

- 1566 **Amaranth.** Rich plum color.
- 1550 **Brilliant Rose.**
- 1545 **Delicate Lilac.**
- 1565 **Deep Lavender.**
- 1560 **Purple Crimson.**
- 1540 **White.**

Each of the above, pkt., 10c; 3 pkts. for 25c.

- 1570 **Imperialis, Mixed.** ¼ oz., 25c; pkt., 10c.

White Leaved Dusty Millers

All gardens need a few plants with grey foliage to tone down the brilliant colors.

Culture: A, B, D or E, Page 67

- 1595 **Candidissima.** 10 in. Thick silvery white leaves. Should be sown early. Pkt., 10c.
- 1600 **Gymnocarpa.** 1½ to 2 ft. Foliage finely cut of silvery gray color. ¼ oz., 25c; pkt., 10c.
- 1730 **Cineraria Maritima Diamond.** 1½ ft. is also known as Dusty Miller. Pkt., 10c.

Quaint Collinsias

Like a Pagoda.
□ 18 in.

Culture: A or B, Page 67

Also known as "Chinese Houses" because the tiers of whorled deeply-lipped flowers suggest Chinese pagodas. Grows in common soil, blooms freely from June to October. Good cut flower material, also fine for bedding and edging.

- 1867 **Salmon Beauty.** Purest salmon-rose tone. Pkt., 15c.

- 1870 **Mixed.** Many colors of these old-fashioned annuals in mixture. Pkt., 10c.



1870 **COLLINSIA Mixed.** Pkt., 10c.

Show Your Colors in Garden and Costume!

Culture: A, B, C or D,
Page 67

1517 **Centaurea Cyanus Super Double. Red, White and Blue Mixed.**

□ Everyone will want flowers in our national colors this year. Here in a balanced mixture are giant Bachelor Buttons, Blue Boy, Snowman and Red Boy which most nearly approximate the hues of Old Glory. In the garden, in arrangements, and for men's button holes, they give just the right patriotic accent. Oz., \$1.00; ¼ oz., 30c; pkt., 15c.

- 1506 **Blue Boy.**
- 1509 **Snowman.**
- 1508 **Red Boy.**

Each of the above, ¼ oz., 30c; any pkt., 15c; 3 pkts., 40c.



*The Popular
Centaureas*

Culture: A, B, D or E, Page 67

**Bachelor Buttons
Centaurea Cyanus Super Double.**

A perfected strain of this popular hardy annual, which every one can grow in any garden soil. They have larger flowers, more double, with more vivid coloring and long, wiry stems, making fine cut flowers. If the faded flowers are kept cut, the plants will blossom continuously throughout the summer.

- 1505 **Black Boy.** Blackish maroon.
- 1506 **Blue Boy.** The true cornflower blue.
- 1507 **Pinkie.** Lovely true pink.
- 1508 **Red Boy.** Deep glowing red.
- 1509 **Snowman.** Pure white.

Each of above, ¼ oz., 30c; pkt., 15c; any 2 pkts. for 25c.

- 1522 **Vaughan's Special Super Double Mixed.** Pkt., 15c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.
- 1504 **Jubilee Gem.** A dwarf variety, making a compact plant covered with double dark blue flowers. Foliage forms a tufted mass of bright green. 12 inches in height. ¼ oz., 50c; pkt., 15c.

Various Centaureas

- 1480 **Americana (Basket Flower).** 3 ft. A splendid native variety; bears immense thistle-like blooms of rosy lavender color. ¼ oz., 25c; pkt., 10c. Combine the above with those of Salvia Indian Purple for unique arrangement.
- 1485 **Americana Alba (Star Thistle).** 2½ ft. Immense heads of double fluffy blooms, almost pure white. Pkt., 10c.
- 1580 **Suaveolens.** 2 ft. (Yellow Sweet Sultan or Grecian Cornflower.) Very showy, large, bright yellow flowers sweetly scented and a popular sort for cutting; lasting well. Pkt., 10c.

1590 **VAUGHAN'S SPECIAL MIXTURE OF CENTAUREAS.** Includes all the annual Centaureas, and a packet will produce cut flowers all summer. ¼ oz., 25c; pkt., 10c.

For other varieties, See Novelties and Perennial Pages.



1580 **CENTAUREA Suaveolens Yellow Sweet Sultan.** Pkt., 10c.



CENTAUREA 1480 Americana and 1485 Alba. Each, pkt., 10c.



2020 **CYNOGLOSSUM Firmament.** Pkt., 10c.

Cynoglossum □ 18 to 24 in.

Culture: A, B, D or E, Page 67

2015 **Amabile, Blue Bird Chinese Forget-Me-Not.**

Produces long sprays of brilliant blue Forget-Me-Not like flowers. Grows easily and blooms for a long season. A most delightful addition to our list of blue flowers. 1/2 oz., 25c; pkt., 10c.

2017 —**Pink.** Similar to the above but having lovely bright pink blooms. Pkt., 15c.

2018 —**Fairy Blue.** 2 ft. Flowers of bright Cambridge or sky blue tone. Pkt., 15c.

2020 **Firmament.** It is dwarf, free-blooming over a long season; flowers a bright indigo blue. It is to be recommended for growing in dry, even poor soil. 1 1/2 ft. Pkt., 10c.

2016 **Linifolium.** 9 in. Charming white Forget-Me-Not like flowers with silvery foliage. Pkt., 10c.

Cuphea, Firecracker Plant □

Culture: A or B, Page 67

1998A **Avalon Hybrids.** Compact plants seeming to be covered with fluttering, bright-hued butterflies. In lavender, lilac, pure pink, rose-purple, crimson, fire-scarlet and vermilion. Pkt., 25c.

1999 **Firefly.** Compact annual with a spread of about 12 inches. The flowers are fluted, a deep rosy scarlet deepening almost to purple at the center. The foliage is very attractive; the plants flower from seed in five months. Pkt., 25c.

2000 **Platycentra (Cigar Plant).** Scarlet and black Pkt., 20c.



Cosmidium Orange Crown □ 2 ft.

Culture: D or E, Page 67

1930 The flowers are golden yellow with a broad circle of a rich orange around the center disc. Bloom all summer. Pkt., 10c.

Celosia (Cockscomb) □

Culture: A, B, D or E, Page 67

THE name Cockscomb is derived from the resemblance of the flower heads of the crested type to a cock's comb in form, though in texture they are like plush or chenille. The crested type thrive in light soil. Easily dried for winter use.

Crested Dwarf Sorts, 8 to 10 in.

1410 **President Thiers.** Fine dwarf habit with bronzy foliage and large, velvety crimson combs.

1415 **Empress.** Blood-red combs and brown foliage.

1420 **Aurea.** Golden yellow combs.

1421 **Rose.** 1430 **Dwarf Mixed.**

Each of above, pkt., 15c.

Crested Tall Sorts, 18 to 24 in.

1431 **Chamois.** 1433 **Golden Yellow.**

1432 **Crimson.**

Each of above, pkt., 15c.

1435 **Tall Mixed.** Pkt., 10c.

Lilliput

The plants attain the height of 12 inches, consisting of 15 to 20 branches of even length all terminated by brilliant feathery cockscombs.

1476 **Fire Feather.** Red. Pkt., 25c.

1477 **Golden Feather.** Yellow. Pkt., 25c.



1463 **CELOSIA Flame of Fire.** Pkt., 25c.

1463 **Flame of Fire.** 18-20 in. Perfect pyramidal habit with center head and many side branches of a lush green. The branches terminate in circular feathery combs of fiery scarlet. Pkt., 25c.

Ostrich Plume Sorts

They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers wave gracefully above the foliage. 2 to 3 ft.

1440 **Aurea.** Orange. 1447 **Scarlet.**

1445 **Coccinea.** Crimson. 1450 **Mixed.**

Each of above, pkt., 10c.

1455 **Thompsoni Magnifica.** Mixed. 2-3 ft. A choice strain of the Ostrich Plume Celosias. Pkt., 10c.

1475 **Dwarf Ostrich Plume Varieties Mixed.** 15 in. Good for pots and beds. Pkt., 25c.

Other Celosias

1465 **Chinese Woolflower, Crimson.** Grows 2 to 3 feet high with many branches terminating in a flower head resembling a ball of scarlet wool.

1466 **Chinese Woolflower, Deep Rose.**

1467 **Chinese Woolflower, Yellow.**

1468 **Chinese Woolflower, Mixed.**

Each of above Chinese Woolflower, per pkt., 15c; 2 for 25c.

1454 **Miracle Cockscomb Mixed.** Grows 2-3 ft. without branches terminated with enormous Cockscombs. September until frost. Pkt., 25c.

1460 **Pride of Castle Gould.** Compact pyramidal plants produce immense flower heads, resembling willow plumes in many shades. Pkt., 25c.

1470 **Spicata.** 3 feet. Round, pointed bloom, 3 to 4 inches in length. At first a soft bright rose, changing to silver-white. Pkt., 15c.

See also Novelties.



1790 **CLARKIA** Vaughan's Special Mixture Pkt., 10c.

Double Clarkia □ 2 ft.

Culture: A, B, D or E, Page 67

The lovely Clarkias are effective in the garden or as cut flowers in the home. Great spikes of double and semi-double flowers in the daintiest colors are produced from the poorest soil. Plant in shade. If the roots are confined by growing in small pots, they will bloom earlier.

1735 **Albatross.** Pure white of upright growth.

1740 **Apple Blossom.** Apple blossom.

1743 **Brilliant.** Bright carmine.

1757 **Enchantress.** A wonderful salmon pink.

1749 **Firebrand.** Brilliant coppery-scarlet.

1750 **La France.** Delightful pale salmon pink.

1747 **May Blossom.** Pure glowing rose which deepens to pink.

1748 **Orange King.** Bright orange scarlet.

1751 **Purple Prince.** Rosy purple.

1761 **Salmonia Perfecta.** True salmon.

1762 **Scarlet Queen.** Glowing scarlet.

Each of above, pkt., 10c; any 3 pkts. for 25c.

1790 **Vaughan's Special Mixture.** Made up especially from the above named varieties. 1/2 oz., 25c; pkt., 10c.

1789 **Novelty Mixture.** A mixture of new and attractive varieties. Pkt., 15c.



1998 **CREPIS (Hawkweed).** Pkt., 10c.

Crepis or "Pink Dandelion"

Culture: A or B, Page 67

1998 □ 18 in. Showy semi-double star flowers of bright rose color. Bushy plant attractive in the garden and useful for cutting purposes. Pkt., 10c.

Cosmos from July to Frost

Culture: A, B, D or E, Page 67

Plants of graceful beauty, fine feathery foliage and large flowers. While the early varieties begin blooming in July, the Cosmos reaches the height of its beauty in the autumn. The new giant early varieties are wonderful cut flowers, holding in good condition for 10 days after cutting. We list only the early flowering varieties as the late varieties are so apt to be taken by early frosts. Try the effect of Cosmos Sensation Pink with White Nicotiana Affinis in a low bowl for a lovely fairy-like combination.

COSMOS Sensation, New Giant Early Strain

Early flowering blooming in about 12 weeks from sowing. The flowers are very large, 4 to 5 inches across, with heavy fluted petals. Height about 4 feet. By disbudding, enormous flowers can be obtained.

- 1968 **Pink.** A delightful rose-pink selection. Large pkt., 25c.
- 1967 **Purity.** A white with satin sheen. Large pkt., 25c.
- 1966 **Sensation Special Mixed.** Including the two colors offered. Large pkt., 25c.

Single Early Flowering Mammoth. 3 ft.

- 1935 **White.** 1945 **Crimson.** 1940 **Pink.**

Each of the above. Pkt., 10c. 3 pkts. for 25c.

- 1950 **Early Flowering Mammoth Mixed,** all colors. ¼ oz., 20c; pkt., 10c.

Double Early Flowering. 3 ft.

Forms a perfect bush, massed with bloom, bearing beautiful flowers of good size, on long stems, about 65 per cent coming double.

- 1990 **Pink.** 1991 **White.** 1992 **Crimson.**

Each of the above, pkt., 25c; 3 pkts. for 65c.

- 1994 **Mixed.** Above 3 colors. ⅓ oz., 35c; pkt., 25c.

- 1979 **Orange Flare.** Well-branched plants, 3 ft. tall, covered with showy golden orange flowers in about 3 months from seed, and blooms with increasing freedom until killing frost. Sow outdoors when soil is warm, or indoors with bottom heat of 70 degrees. Give full sun. Does not need staking. ⅓ oz., 35c; pkt., 15c.

Cosmos Peerless Type. See Novelties.



1968 COSMOS Sensation. Pink. Pkt., 25c.



1979 COSMOS Orange Flare. Pkt., 15c.



1994 COSMOS Double Mixed. Pkt., 25c.



2100 DATURA Cornucopia. Pkt., 10c.

Cheiranthus

Culture: A or C, Page 67

A hardy perennial which blossoms the first year from seed. Sow in late summer, autumn or spring.

- 1607 **Allioni (Siberian Wallflower).** 1 ft. Dazzling fiery orange flowers, on stems about a foot high. Blooms from seed the first year. pkt., 10c.

- 1608 **Golden Bedder.** Fragrant golden yellow flowers, larger than Allioni, are borne for a long season, if faded blossoms are kept picked. pkt., 15c.

Cleome Pungens (Spider Plant)

Culture: D or E, Page 67 5 ft.

- 1800 **Pungens.** Stately, shrub-like plants producing showy, curious flower heads of rich rosy crimson. A good bee plant. Pkt., 10c.

- 1801 **White.** Flowers white. Pkt., 10c.

Pink Queen and Lutea. See Novelties.

Cypress Vine = 10 ft.

Culture: A, B, D or E, Page 67

A graceful, twining annual climber with fernlike foliage and star-shaped blossoms. Sow in May, first soaking seeds in warm water.

- 2040 **Mixed.** Scarlet and white. Pkt., 10c.

Datura (Angel's Trumpet) 3ft.

Culture: A, B, D or E, Page 67

Handsome subtropical plants for summer bedding, having large trumpet-shaped fragrant flowers. Seed must be planted indoors early to bloom in September. They should be given a light soil and sun.

- 2100 **Cornucopia (Horn of Plenty).** Immense flowers, triplicate in form, one within the other; rich violet, with white interior. Pkt., 10c.

Dahlborg Daisy 8 in.

Culture: A or B, Page 67

- 2047 The thrifty little plants grow about 8 inches high and a foot wide, and are quite covered with small yellow Daisy-like flowers. Absolute uniformity and early and continuous flowering to frost. Pkt., 25c.

Diascia 9 in.

Culture: A or B, Page 67

- 2306 **Barberae.** Pretty pink coral-like flowers, freely produced on slender stems during the whole of summer. Excellent for dwarf borders and makes a fine pot plant for indoor decoration. Pkt., 15c.

Dracocephalum 18 in.

Culture: A or B, Page 67

- 2355 **Moldavicum (Dragon's Head).** A native of Siberia, has lace-shaped leaves, and fragrant bluish-violet flowers borne in long nodding racemes from July to October. A good honey plant. Pkt., 10c.



1954 COSMOS Miniature Golden. Pkt., 10c.

- 1954 **Miniature Golden (Bidens Humilis).** 18 in. The rich, yellow, star-like flowers are very attractive on the deep olive green finely cut foliage. They form neat and compact bushes and bloom very freely. Excellent cut flower or edging plant. Pkt., 10c.



2086 DAHLIA Unwin's Dwarf Hybrids. Pkt., 25c.

Dahlias from Seed in 60 Days

2086 UNWIN'S DWARF HYBRIDS. This remarkable strain produces branching plants 2 to 3 feet tall bearing semi-double flowers 3 inches in diameter, of lovely soft pink, lavender, red, orange, yellow and maroon. They are as easily grown from seed as zinnias, and blossom in sixty days from seed sown in the garden row. Sow after the ground warms up and danger of frost is over, and give each plant at least one foot in the row. They give a striking effect in the border and are unsurpassed as cut flowers. They flower until frost kills the plants and produce tubers which can be saved. Pinched back, they make fine pot plants. 1/4 oz., \$1.00; 1/8 oz., 60c; pkt... **25c**



2325 DIMORPHOTHECA Aurantiaca Hybrids. Pkt., 10c.

Golden African Daisy

DIMORPHOTHECA

Culture: A, B, D or E, Page 67

Showy annuals from South Africa, about 1 ft. tall with gorgeous, Daisy-like blooms during summer and fall. Easy culture in well-drained soil, sunny exposure.

2320 Aurantiaca. 1 ft. A rich orange gold, which is rendered more conspicuous by dark center disc.

2321 —Golden West. Bright golden yellow.

2322 —Salmon Beauty. Soft salmon pink.

2324 —White Beauty. A pure, glistening white.

Each of the above, pkt., 10c.

2325 —Hybrids. They vary in color from pure white to red and blush including sulphur, lemon and bright golden yellow, light orange, reddish yellow and pale salmon-rose. Pkt., 10c.

2326 Ecklonis. 3 ft. White 3 inch blossoms of velvety texture marked with a rich blue or purple eye; are produced on bushes with branching stems, from August, surviving light frosts. Pkt., 15c.

2329 Spectabilis. 12 to 14 in. Has a single Daisy-like bloom about two inches in diameter, of wine red with a shining black center. A half hardy perennial treated as an annual. Pkt., 25c.

Glistening White—See Novelty pages.

DELPHINIUM ANNUAL—See Larkspur.

Didiscus 3 ft.

Culture: A, B, D or E, Page 67

2310 Coeruleus (Lavender Lace Flower). Charming blue annual, with dainty lavender and blue flowers which resemble Queen Anne's Lace of our roadsides. Excellent cut flower. 1/8 oz., 25c. Pkt., 10c



2310 DIDISCUS Lavender Lace Flower. 10c.

Dahlias from Seed

Culture: D or E, A or B, Page 67

It is easy, most interesting and fascinating to grow Dahlias from seed and enjoy the surprise of new colors and forms. If the seed is started early, plants will bloom the same season. Sow in a shallow box or pan in March or early April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant in the garden.

The varied forms, from the giant Salbach varieties, to the single Coltness and the Unwin varieties, supply a great range of form and color.

DOUBLE DAHLIAS

2080 Double Best Mixed. 3ft. Saved from show and fancy sorts. Pkt., 25c.

2075 Double Cactus Flowered Mixed. 3 ft. With twisted and curled petals. From a specialist's collection including unusual colors. Pkt., (60 seeds), 25c.

2083 Salbach Choice Mixed. 4 ft. If you want giant show flowers try this. 100 seeds, \$1.00.

2084 Salbach Selected Mixed. 4 ft. 100 seeds, \$2.50.

2087 Unwin's Ideal Bedding Mixed. The flower petals are nearly all twisted. Double and semi-double in many charming colors, excellent for cutting. Pkt., 25c.

2091 Zulu Strain. Dark bronzy leaved plants of the Unwin type, with semi-double flowers of crimson and scarlet. Pkt. (50 seeds), 35c.



2090 DAHLIA Vaughan's Special Mixture. Pkt., 35c.

2090 DAHLIA Vaughan's Special Mixture. This mixture contains seed from the best collections in America and Europe and embraces all the various strains of double-flowering Dahlias, such as Show, and Cactus varieties, also the single flowering sorts. Pkt., (60 seeds)..... **35c**

Single Flowering

2055 Collarette, Mixed Colors. 3 ft. Flowers of various colors, adorned with a collar of small petals around the center. Pkt., 10c.

2056 Coltness Hybrids. 18 in. Habit neat and compact, blooms from July until frost. The flowers have either flat or slightly fluted petals, nearly all 3 in. in diameter. Pkt., 25c.

2057 Coltness Gem. 18 in. Bright scarlet, varies. Pkt., 25c.

2058 Coltness Yellow. 18 in. Good clear yellow. Pkt., 25c.

2060 Coltness White Gem. The best selection of white. Pkt., 25c.

2065 Giant Perfection Mixed. 4 ft. The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color. Pkt., 10c.

2088 Dobbie's Orchid Flowered Mixed. Petals twisted and curled, in a variety of colors. It comes 90 percent true from seed. Pkt., 25c.

Any three packets of Coltness for 60c.

January 28, 1941.

Your Surprise Garden Mixture is a package of pleasure for anyone.

O. H. E., Pleasant Lake, Indiana

September 8, 1941.

"Had splendid success with seeds purchased from you this spring."

C. M. R., Kerrville, Texas

Brilliant Annual Pinks



DIANTHUS 1 ft.

Culture: A or B, D or E, Page 67

A magnificent family producing their gay, sweet scented flowers in great profusion. They embrace a great variety of forms and come in a remarkably wide range of beautiful and rich color combinations. These were illustrated on the cover of our 1941 Catalog.

2300 DIANTHUS Vaughan's Special Mixture of Double Pinks. Selection of the best double pinks in cultivation, ranging in color through all the most brilliant shades. $\frac{1}{4}$ oz., 30c; pkt., 10c.

2251 Double Sweet Wivelsfield. The original single was a cross of the Dianthus Alwoodi and Sweet William. This has the same characteristics only the flowers are double. Brilliant colors, some with honey fragrance. Pkt., 25c.

2250 Single Sweet Wivelsfield, Mixed Colors.

A cross of Dianthus Plumarius and Sweet William blooming the first year from seed. The flower heads resemble Sweet William in an almost unbelievable range of colors. $\frac{1}{4}$ oz., 30c; pkt., 15c.

2245 Vaughan's Special Mixture, Single Pinks.

The flowers are extraordinarily large and embrace colors ranging from white to pink and deep crimson. $\frac{1}{4}$ oz., 30c; pkt., 10c.

2237 Heddewigii Chabaud Hybrid, Salmon Shades.

A cross between D. Heddewigii and Carnation Chabaud has produced a race recommended, not only for bedding, but also as a cut flower. The plants branch from the base and throw up sturdy stems 12 to 16 inches high, crowned by large double flowers $2\frac{1}{2}$ to 5 inches across in various beautiful shades of salmon. Pkt., 20c.

Dolichos (Hyacinth Bean)

□ = 10 ft.

Culture: A, B, D or E, Page 67

If you have a wire fence which you want covered, we know of no plant more decorative than this. The flowers are followed by attractive seed pods.

2330 Princess Helen (Daylight). Snow-white flowers, silvery seed pods. Pkt., 10c.

2335 Purple Soudan (Darkness). Rose-violet flowers, ruby-purple seed pods. Pkt., 10c.

2340 Mixed. Pkt., 10c.

2345 Lignosus (Australian Pea Vine). A rapid-growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers. Pkt., 10c.

Echium □ 12 to 18 in.

Culture: A or B, Page 67

2358 Blue Bedder. Deep bright blue bell flowers in compact bushy plant. Pkt., 15c.

Felicia □

Culture: A, B, D or E, Page 67

2447 Rotundifolia. 6 in. The numerous flowers rise on wiry stems above the dark green leaves. The bright yellow discs are surrounded with ray florets of a fine Forget-me-not blue. They make a brave show all summer. Pkt., 50c.

2480 GAURA Lindeheimeri. 3 ft. Pkt., 10c.



2435 EUPHORBIA Variegata (Snow on the Mountain). Pkt., 10c.



2415 ESCHOLTZIA Vaughan's Special Mixture. Pkt., 10c.

California Poppy

ESCHOLTZIA □ 12 in.

Culture: A, B, D or E, Page 67

Dainty free flowering plants of easiest culture with gaily colored Poppy-like flowers with a satiny finish. Plants of low spreading growth with finely cut silvery foliage. Do well in any well drained, loose soil and sunny position. Blooms early and continues until frost.

Dwarf Erect Varieties, 1 ft. (Californica).

2398 The Geisha. Brilliant gold inside, orange-crimson outside, fluted.

2396 Ramona. Frilled edges give it the appearance of a semi-double. Golden-bronze within and coppery-rose outside.

2414 Ramona Hybrids, Finest Mixed. The flowers are beautifully frilled and fluted, the petals incurving to form a flower which at first glance appears to be double. The plants are dwarf and compact and do not make a profuse foliage.

Spreading Varieties, 1 ft. (Californica).

2370 Carmine King. Deep carmine.

2376 Chrome Queen. Soft amber buff.

2385 Golden West. Bright yellow, orange center.

2387 Mandarin. Inside orange, outside scarlet.

2392 Mikado. Lustrous orange-crimson.

2404 Sunlight. A lovely canary yellow.

2405 Vesuvius. Rich wallflower red.

Double and Semi-double Varieties.

2395 Robert Gardiner. Deep orange.

2410 Double and Semi-double Mixed.

Each of the above, pkt., 10c.

2389 Monarch Art Shades. A compact strain of large-flowering California Poppies in mixture distinct from other types. Flowers are semi-double, the colors ranging through light rose to deep rose and carmine, and from deep golden yellow to orange and scarlet. Pkt., 10c.

2415 Vaughan's Special Mixture. This mixture includes all the varieties here catalogued of the double and single sorts and is the most complete mixture of these charming annuals in existence. $\frac{1}{4}$ oz., 30c. Pkt., 10c.

Euphorbia □ 2 ft.

Culture: A, B, D or E, Page 67

2430 Annual Poinsettia, or Mexican Fire Plant.

Resembling in habit and color the beautiful hot-house Poinsettia. About mid-summer the center top leaves of each branch turn orange-scarlet. Pkt., 10c.

2435 Variegata (Snow on the Mountain or Mountain Spurge). 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green. $\frac{1}{4}$ oz., 25c; pkt., 10c.

2301 Vaughan's Special Mixture of Double and Single Pinks. This magnificent mixture contains the cream of the annual pinks, both single and double. $\frac{1}{4}$ oz., 50c; pkt., 20c.

Double Flowering

2257 Chinese Double Mixed. Handsome clusters of very double flowers; many bright colors. $\frac{1}{4}$ oz., 25c; pkt., 10c.

2258 Heddewigii Double (Double Japanese Pinks), Mixed. A fine mixture of colors, varying from the richest crimson to delicate rose.

2298 Diadem Double Mixed.

2290 Fireball. Large, double; rich, blood-red.

2280 Lucifer. Orange.

2296 Midnight. Blood-red.

2285 Mourning Cloak. Black purple, white margin.

2295 Rosalind. Rose.

2239 Salmon King. Pink.

2293 Snowdrift. Giant, fringed white flowers. Each of the above, pkt., 10c; any 3 for 25c.

Single Flowering

2236 Heddewigii Large Flowered Single Japanese Pinks. Flowers 2 to 3 inches in diameter, borne profusely. Colors include pink, rose and white, and many marked with rose and red centers.

2238 Crimson Bell. Dark red.

2240 Laciniatus Splendens. Flowers of brilliant crimson, over 2 inches across, with fringed petals, have a boldly contrasting white center.

2196 Salmon Queen. Salmon scarlet.

2241 Vesuvius. Scarlet.

Each of the above, pkt., 10c; any 3 for 25c.

2245 Vaughan's Special Mixture, Single Pinks. The flowers are extraordinarily large and embrace colors ranging from white to pink and deep crimson. $\frac{1}{4}$ oz., 30c; pkt., 10c.



2475 GAILLARDIA Double Mixed. Pkt., 10c.

Gaillardia □

Culture: A, B, D or E, Page 67

One of the most profuse bloomers of the flower garden. Gaillardias grow best in full sunlight. The double varieties are among finest of annuals for cut flowers and deserve to be included in every list. 18 in.

- 2474 **Lorenziana Rubra.** Double red beauty. Pkt., 10c.
 - 2475 **—Double Mixed.** ¼ oz., 25c; pkt., 10c.
 - 2471 **Picta Indian Chief.** 1 ft. Attractive flowers of deep coppery scarlet, accented by a dark brown center. Dense bushy plants. Pkt., 10c.
 - 2470 **—Single Mixed.** Pkt., 10c.
- See also Perennial Pages.

Gilia □

Culture: A, B, D or E, Page 67

- 2532 **Capitata (Blue Thimble Flower).** 2 ft. Bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender-blue flowers, 1 inch across. Makes a good cut flower as the blooms last well. May also be used as everlasting, retaining their color when dried. ¼ oz., 25c. Pkt., 10c.
- 2530 **Mixed.** 1 ft. Exceedingly graceful, early flowers and valuable for bees. Charming in the flower border and for cutting in spring and summer. Pkt., 10c.



2532 GILIA Capitata. Pkt., 10c.

Gazania □ 8 in.

Culture: A or B, Page 67

- 2486 **Splendens Hybrida Grandiflora.** Showy half hardy perennial, orange, yellow and bronze Daisy-like flowers, blooms first year when sown early. Pkt., 15c.

Grasses Ornamental

Culture: A or B, Page 67

- 2670 **Ornamental Mixed.** □ 2 to 5 ft. These are most useful for winter bouquets when combined with Everlasting flowers. Pkt., 10c.

Grevillea □ 1 to 5 ft.

Culture: A or B, Page 67

- 2675 **Robusta (Silk Oak).** Grows rapidly from seed, and is pretty in all stages of growth: drooping, silky foliage. Excellent for fern dish use. In Florida, develops into an ornamental tree. Pkt., 10c.

Gypsophila □

Culture: A, Page 67

Graceful plants of light fairy-like growth. The misty bloom adds interest to a bouquet.

- 2681 **Elegans Grandiflora Alba Special Selection.** This is extremely free blooming, and petals considerably broader, making the flowers nice and round, without the usual cartwheel effect. About 10% will be the smaller flowered type. Oz., 60c; ½ oz., 40c; pkt., 15c.
 - 2682 **Elegans Vivid Rose.** Pkt., 10c.
 - 2683 **—Crimson.** Pkt., 10c.
 - 2686 **—Mixed.** ¼ oz., 25c; pkt., 10c.
- See also Perennial Pages.



2681 GYPSOPHILA Elegans Grd. Alba. 15c

Gomphrena (Globe Amaranth)

Culture: A, B, D or E, Page 67, 18 in. □

- A showy annual everlasting with clover-like heads.
 - 2506 **Globosa Alba.** 2509 **Pink.**
 - 2510 **—Rubra.** Red. 2525 **—Mixed, all colors.**
- Each of the above, pkt., 10c; 3 pkts. for 25c.
- 2520 **Orange.** Blossoms resemble a ripe strawberry in color and markings. Start in sandy soil in gentle bottom heat. Pkt., 10c.

Fragrant Heliotrope □ 2 ft.

Culture: A or B, D or E, Page 67

Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom, flowering equally well as bedding plants in summer, or as pot plants in the house during the winter. Seeds sown in the spring make fine plants for bedding out, and are as easily grown as Verbenas. It is to be regretted, however, seedlings tend to lose their rich fragrance. In fact none today is as heavy as in the past.

- 2828 **Regale Mixed.** A fine mixture of dwarfs. Pkt., 25c.
- 2823 **Dark Flowering Varieties Mixed.** Pkt., 25c.
- 2824 **Queen Marguerite.** 2 ft. Very large umbels of dark blue flowers. One of the finest. Pkt., 15c.
- 2830 **Fine Mixed.** Pkt., 10c.
- 2820 **Mammoth Mixed.** Large flowers ranging from dark blue to lilac. Pkt., 15c.



2569 GODETIA Dwarf, Single, Mixed. Pkt., 10c.

Godetia (Satin Flower) □

Culture: A, B, D or E, Page 67

Attractive, bushy plants with masses of large, colorful blooms during the summer and fall. Thrive best in a cool, moist soil and half-shady situation.

Upright Growth, Single Flowers. 1 ½ ft.

- 2571 **Duke of York.** Rich scarlet on white.
 - 2574 **Kelvedon Glory.** 16 in. Glowing salmon orange, of exceptional brilliance, robust and free.
 - 2594 **Orange Glory** Fiery orange-cerise. Upright growth, double flowers.
- Each of the above, pkt., 10c.

Upright Growth, Double Flower. 2 ft.

- 2591 **Gladiolus Flowered, Mixed.** Different from others, producing flowerspikes much like a Gladiolus, which are closely set by double flowers in bright attractive colors. Pkt., 10c.

Compact Dwarf Growth, Single Flowers.

- 2573 **Gloriosa.** 10 in. Dark glowing red.
 - 2579 **Lady Satin Rose.** 10 in. Satiny rose.
 - 2576 **Rosamunde.** 8 in. Vivid rose with white.
 - 2582 **Thunderbolt.** 10 in. Dark crimson, frilled.
 - 2586 **White Swan.** 1 ft. Purest satiny white.
 - 2569 **Single Dwarf Mixed.**
- Each of the above, pkt., 10c.

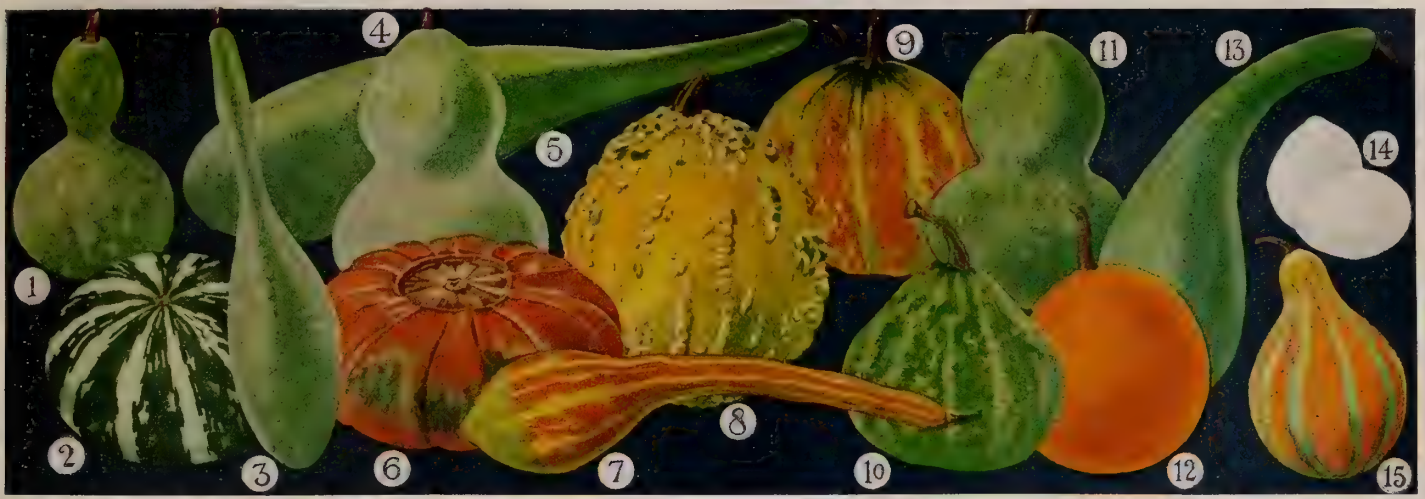
Dwarf Double Azalea Flowered.

- 2577 **Sweetheart.** 12 in. Pink, cream overlay.
 - 2584 **Maiden's Blush.** 10 in. Good pink for pots.
 - 2581 **Sybil Sherwood Double.** The flowers completely hide the foliage beneath a canopy of beautiful bright salmon pink, white edged flowers.
- Each of the above, pkt., 10c.

GERANIUM— See page 68.



2820 HELIOTROPE Mammoth Mixed. 15c.



GOURDS, Varieties Illustrated are, 1. Bottle Miniature (2607); 2. Ornamental Pomegranate (2630); 3. Large Dipper (2610); 4. Bird's Nest (2603); 5. Hercules' Club (2618); 6. Turk's Turban (2645); 7. Spoon (2643); 8. Warty (2646); 9. We Cannot Supply; 10. Apple-Shaped (2600); 11. Sugar Trough (2640); 12. Orange (2627); 13. Calabash (2608); 14. Nest Egg (2625); 15. Pear-Shaped (2635). Each, Pkt., 10c. One pkt. ea. (14 pkts. value \$1.40) for \$1.25.

LARGE FRUITED GOURDS

- 2599 **Acorn.** Twelve inches across, rounded out at the top like an acorn and smooth and pointed at the bottom. It is yellow with a yellowish-orange top.
- 2603 **Bird's Nest.** For bird houses.
- 2605 **Bottle.** Large. The original Thermos bottle. Makes fine bird-houses.
- 2608 **Calabash Pipe, Powder Horn or Penguin Gourd.** Odd-shaped fruit which is used in making pipes.
- 2610 **Dipper.** Fruit makes an excellent dipper and may be used for birds' nests.
- 2615 **Dishcloth, Towel or Sponge. Luffa Acutangula.** The fruit is eaten when young, being cooked like squash. Many women prefer a dishcloth made of it.
- 2617 **Green Snake.**
- 2618 **Hercules' Club.** Fruit grows 3 to 4 ft. long.
- 2622 **Maranka (Cave Man Club).** Knobby club shaped, dark green.
- 2640 **Sugar Trough.** Thick shells, very durable.
- 2645 **Turk's Turban.** Odd brightly colored fruit. Each of above, pkt., 10c; any 3 pkts. for 25c.
- 2651 **Large-Fruited Sorts.** Mixed. Oz., 40c; ½ oz., 25c. Pkt., 10c.

2660 **Vaughan's Special Mixture.** All shapes and sizes of these interesting fruits, so fashionable for ornaments, bird houses, and utensils, are included in this mixture. A bonanza for collectors. 1 oz., 40c; ½ oz., 25c; pkt., 15c



2842 **HOLLYHOCK** Indian Spring. Pkt., 15c.

2842 **Indian Spring.** If sown in February it will bloom freely in early August, producing flowers of varying attractive bright rose and rosy-carmine semi-double. It grows a central stem which may attain six feet in height. Flowering branches are produced freely. Both stem and branches bear flowers. Pkt., 15c.

(For others, see Perennial List).

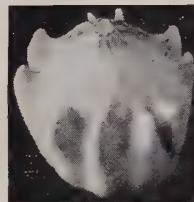
Gourds

Culture: A, B, D or E, Page 67

Large Gourd fruits make attractive decorations at harvest festivals. The small ones may be placed in bowls for table decorations. Bird houses, dippers, bowls, and toys are made of others. Leaflet on culture sent free if asked for with order.

Crown of Thorns Gourd

2609 Also known as **Finger Gourd, Holy Gourd, Gourd of the Ten Commandments and Sugar Bowl.** Ten prongs extend from the ridges or angles, standing free from the front part of the fruit. Some or all the prongs or fingers may bear a furrow or valley down the back and two points at the apex. The fingers are hollow when inside pulp or fiber dries away. The shell is hard and durable. Base of the Gourd, about the stem, shows the ten customary main grooves. It is white or ivory-white. Pkt., 25c.



Helichrysum □ 3 ft.

Culture: A or B, D or E, Page 67

For winter bouquets, Straw Flowers should be cut before the centers open, and be hung upside down in a cool, dark place to dry. The foliage should be stripped off, and if it is desired, a fairly stiff wire may be twined about each stem to make them easier to handle in arranging them in bouquets. To grow large flowers, disbud, allowing only one bud to remain on each stem.

- 2775 **Fire Ball.** 2770 **Silver Ball.**
- 2780 **Golden Ball.** 2771 **Silvery Pink.**
- 2785 **Rose Queen.** 2795 **Violet Queen.**
- 2790 **Salmon Queen.** 2800 **Mixed.**

Each of the above, pkt., 10c; any 3 pkts., 25c.

2812 **Dwarf Double Mixed.** 1½ ft. A splendid mixture of the dwarf growing varieties. Fine for bedding as it does not need staking. Pkt., 10c.

Hollyhocks (Annual) □ 5 ft.

Culture: A or B, D or E, Page 67

The perennial varieties flower only the second year if grown from seed; these annual kinds, however, bloom the first year, and if sown in the open ground in April, they will be in flower in August, but if started indoors and set out in May, they will bloom in July. Very striking planted near hemlocks and Lilium Formosanum. Use for roadside planting for decorative effect.

2845 **Everblooming Double Mixed.** Double and semi-double. Oz., 80c; ¼ lb., \$1.80; lb., \$6.00; pkt., 10c.

2840 **Everblooming Single Mixed.** Large single flowers, exhibiting every shade known in Hollyhocks. Oz., 40c; ¼ lb., \$1.20; lb., \$4.00; pkt., 10c.

GLADIOLUS seed is not offered. Our customers prefer to purchase bulbs. See pages 94-96.

GLOXINIA— See page 68.

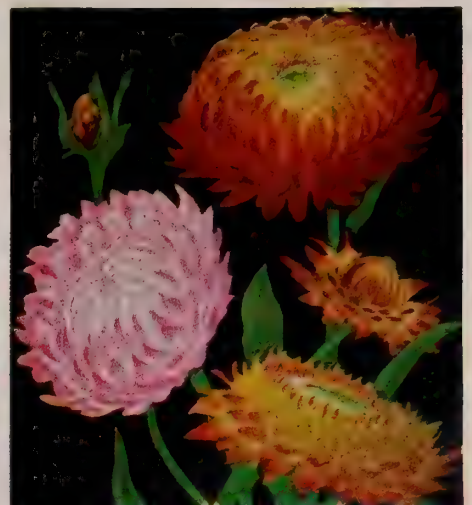
SMALL FRUITED GOURDS

- 2600 **Apple-Shaped.** Small fruits.
- 2607 **Bottle Miniature.**
- 2625 **Japanese Nest Egg.** Practical nest eggs.
- 2627 **Orange.** The well known Mock Orange.
- 2630 **Ornamental Pomegranate or Queen's Sweet Pocket Melon.** Fruit deliciously perfumed and may be carried in the pocket or laid among linens.
- 2634 **Pear Bicolor.** Green and white.
- 2635 **Pear-Shaped.** Striped yellow and green.
- 2636 **Pear-Shaped White.**
- 2643 **Spoon.** Small ball-shaped fruit with slender necks, deep orange. By slicing off a side a satisfactory spoon is made.
- 2646 **Warty Sorts Mixed.** Each of the above, pkt., 10c; any 3 pkts. for 25c.
- 2650 **Small Fruited Varieties Mixed.** Oz., 40c; ½ oz., 25c; pkt., 10c.

Sow with Gourds for Decorative Effect:

1927 **CORN Ornamental Indian or Squaw.** The ears are used in making charm or Patio strings combined with the small gourd fruits. The kernels are of various bright colors. Pkt., 10c.

3211 **MARTYNIA Proboscidea (Unicorn Plant).** Fragrant creamy white flowers, compact plant, decorative seed pods. Pkt., 15c.



2810 **HELICHRYSUM** Vaughan's Special Mixture of Helichrysums. This is a balanced blend of the varieties listed and many other color tones in large flowered strains, giving an amazing collection of flowers for winter bouquets. It will produce material for many novel and attractive combinations for decorating the home. ¼ oz., 25c. Pkt. 15c



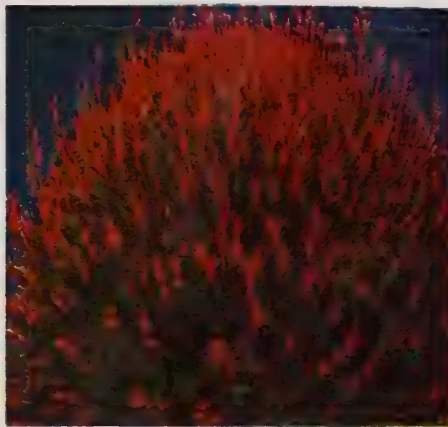
2861 HUNNEMANNIA Sunlite. Pkt., 15c.

Hunnemannia 1½ ft.

Culture: A or B, D or E, Page 67

2860 (Bush Escholtzia, or Santa Barbara Poppy). The plants grow into shrubby bushes, producing their large cup shaped flowers 3 in. across on stems 12 in. long. The petals are broad and crinkled. Does best in well limed sandy soil. ¼ oz., 25c; pkt., 10c.

2861 Sunlite. Gorgeous, semi-double, clear canary-yellow blooms. The extra rows of short petals are on the outside instead of the inside of the Tulip-shaped flowers. Light gray-green foliage. Flowers last two to three days as a cut flower. ¼ oz., 50c; pkt., 15c.



2965 KOCHIA Childsii (Burning Bush) Pkt., 10c.

Kochia—Burning Bush 2½ ft. Annual Hedge Plant

Culture: A or B, D or E, Page 67

2965 Childsii. It resembles a close-clipped ornamental Evergreen. The pyramidal bushes are close and compact and of a pleasing light green. The plant may be grown singly or in the form of a hedge or background and may be clipped to form a perfect hedge, an excellent substitute for boxwood to edge beds. In early autumn the whole bush becomes carmine or blood-red. Flowers small and numerous, but not conspicuous. Oz., 25c; ½ oz., 15c; pkt., 10c.

Humulus (Japanese Hop) =

Culture: A or B, D or E, Page 67

Rapid climber; foliage luxuriant, making a dense covering for verandas, trellises, etc. Heat, drought and insects do not trouble it.

2850 Green Leaved. Pkt., 10c.

2855 Variegated Leaved. Leaves beautifully variegated white, green and yellow. Pkt., 10c.

New Annual Hibiscus

Culture: A or B, Page 67

2836 Trionum. The plants are uniform, stiff and rugged, requiring no staking, and bloom from June to frost-time. The flowers are three inches across, of cream with a center of dark purple, dotted with orange stamens. Pkt., 15c.

For other varieties, see Perennial Pages.

Impatiens (Zanzibar Balsam)

For Shady Locations.

Culture: A or B, D or E, Page 67

÷ 1½ ft.

One of the best for pot culture and planting in a shaded situation. Remarkable for duration of bloom.

2875 Holstii. Of rapid, vigorous growth, producing large flowers of salmon-scarlet. Pkt., 15c.

2880 Holstii Hybrids. Range from pink through red shades to purplish-violet. Pkt., 15c.

2881 Sultani. Bright rose. Pkt., 15c.

2882 Sultani Hybrids. Colors range from pale pink to dark crimson. Pkt., 15c.

Ionopsidium 4 in.

For Paving Crevices.

Culture: A or B, Page 67

2890 Acaule. (Violet Cress). Leaves are spade-shaped and small and form a little round mat from which springs pale lavender blue flowers with a center of a deeper shade. Blooms 2 months after sowing. Sow between stepping stones. Pkt., 15c

Jewel Flower 5 in.

Culture: A or B, Page 67

2961 Leptosiphon French Hybrids. Charming little plants, covered during the summer with small star-like blooms in many attractive shades. Pkt., 10c.

Kaulfussia Amelloides 6 in.

Culture: A or B, D or E, Page 67

2970 Dwarf, bushy plants with blue Aster-like flowers sometimes with yellow disc, easy to grow. A fine rock plant. Pkt., 10c.

Linarias (Baby Snaps)

12 to 18 in.

Culture: A or B, Page 67

Flower resembles miniature Snapdragon and in addition has a long Columbine-like spur. Blooms in about eight weeks from seed. To get best results thin seedlings to 18 inches.

3031 Golden Gem. Pkt., 10c.

3033 Snow White. This is very lovely. Pkt., 10c.

3039 Fairy Bouquet. 8 in. A new strain greatly improved by more compact growth, and with large flowers of rose, yellow, pink, lavender, carmine, red, violet, white and salmon. ½ oz., 30c; pkt., 15c.

3034 Marocana Hybrida Excelsior, Mixed. Colors range through crimson and gold, pink, mauve, dark blue and chamois and rose, with many lighter art shades. Pkt., 10c.



3039 LINARIA Fairy Bouquet. Pkt., 15c.



2975 LANTANA Mixed. Pkt., 10c.

Lantana +

Culture: D or E, Page 67

2975 Mixed. 2 ft. Plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer; remains in bloom late in autumn. They have an aromatic perfume. Pkt., 10c.

2980 Dwarf Hybrids. Mixed. Pkt., 15c.

Lavatera—Annual Mallows

Culture: A or B, Page 67

Showy plants, covered with large flowers. 2½ ft.

2985 Splendens Alba. Silky, pure white. pkt., 10c.

2991 —Mixed. Pkt., 10c.

2989 —Sutton's Loveliness. Bronzy foliage, glowing rose-pink flowers. Fine for bedding. Pkt., 15c.



3010 LEPTOSYNE Stillmanii. Pkt., 10c.

Quick Flowering Leptosynes

Culture: A or B, Page 67

3011 Golden Rosette. 18 in. Double perfect bright yellow rosettes. Blooms in 10 weeks. Pkt., 25c.

3010 Stillmanii. 1½ ft. One of the quickest flowering annuals, blooming in five weeks and the Cosmos-like flowers continue for a long period. Pkt., 10c.

3015 Maritima (Sea Dahlia). 20 in. A cliff plant from California with graceful feathery foliage and large Dahlia-like flowers, yellow with golden center. Fine for cutting. Give a sunny situation. Pkt., 10c.

Linum—Annual Flax

Culture: A or B, Page 67

Round 1 inch flowers last one day, new blooms appear every morning. Plants come into bloom very quickly.

3019 Grandiflorum Coeruleum (Blue Flax). 1½

to 2 ft. Dainty flowers of pale blue. Pkt., 10c.

3020 —Rubrum (Crimson Flax). 2 ft. Brilliantly glowing crimson-rose. May be had in bloom from May to October by successive sowings. Pkt., 10c.

Annual Larkspurs

ANNUAL Larkspurs give fine spikes of bloom that are exceedingly graceful and attractive. Real treasures for cutting. Perfectly hardy. Sow very early in spring, thin out the seedlings as necessary and give each plant room for development. Seed may also be sown in late fall for early flowers the following spring. In the summer germination is improved by chilling the seed several days in the refrigerator.

Culture: A or B, D or E, Page 67

Double Giant Imperial (Base Branching). □ 3 to 4 ft.

These Larkspurs are ideal for cut flowers as the flower stems, three to four feet long, branch from the base of the plants.

- 2151 Blue Bell.** Is a fine medium blue larkspur, deeper than sky blue, yet much lighter than lilac.
- 2166 Blue Spire.** Deep Oxford blue.
- 2152 Carmine King.** Deep carmine rose.
- 2171 Coral King.** Blush pink with a strong suffusion of coral which grows deeper.
- 2153 Daintiness.** Delicate lavender.
- 2172 Dazzler.** A rich scarlet base.
- 2155 Exquisite Pink Improved.** Soft pink shaded salmon.
- 2173 Gloria Improved.** A rich deep rose-salmon.
- 2161 Lilac Queen.**
- 2167 Lilac Spire.** Lilac.
- 2156 Los Angeles.** A shade between salmon and rosy scarlet.
- 2157 Miss California.** Deep pink shaded salmon.
- 2162 Pink Perfection.** Lively light pink, large double florets, excellent upright habit.
- 2154 Sweet Lavender.**
- 2175 White King.** Pure glistening white with rounded broad petals. The florets are 2 inches across.
- 2168 White Spire.** Dazzling pure white.
- Each of the above, pkt., 15c; any 3 pkts. for 35c; any 6 pkts. for 60c.
- 2159 Giant Imperial Mixed.** The above and others. Oz., \$1.40; ¼ oz., 40c; Pkt., 15c.

Double Stock Flowered □ 3 to 4 ft.

- 2120 Dark Blue.**
- 2137 Purple.**
- 2124 Empress Rose.** A rich pink changing to Hermosa pink.
- 2138 Rosamond.** A pure rose color.
- 2129 La France.** A pleasing salmon-pink.
- 2139 Rose Queen.** Deep rose-pink.
- 2131 Lilac Supreme.** Deep lilac.
- 2141 Salmon Rose.** Rosy scarlet.
- 2135 Lustrous Carmine. (Newport Pink.)**
- 2140 Sky-Blue.**
- 2145 White.**

Each of the above, pkt., 10c. Any 3 pkts. for 25c; any 6 pkts., 50c.

- 2150 Stock Flowered Mixed.** All colors. Oz., 60c; ¼ oz., 20c; pkt., 10c.

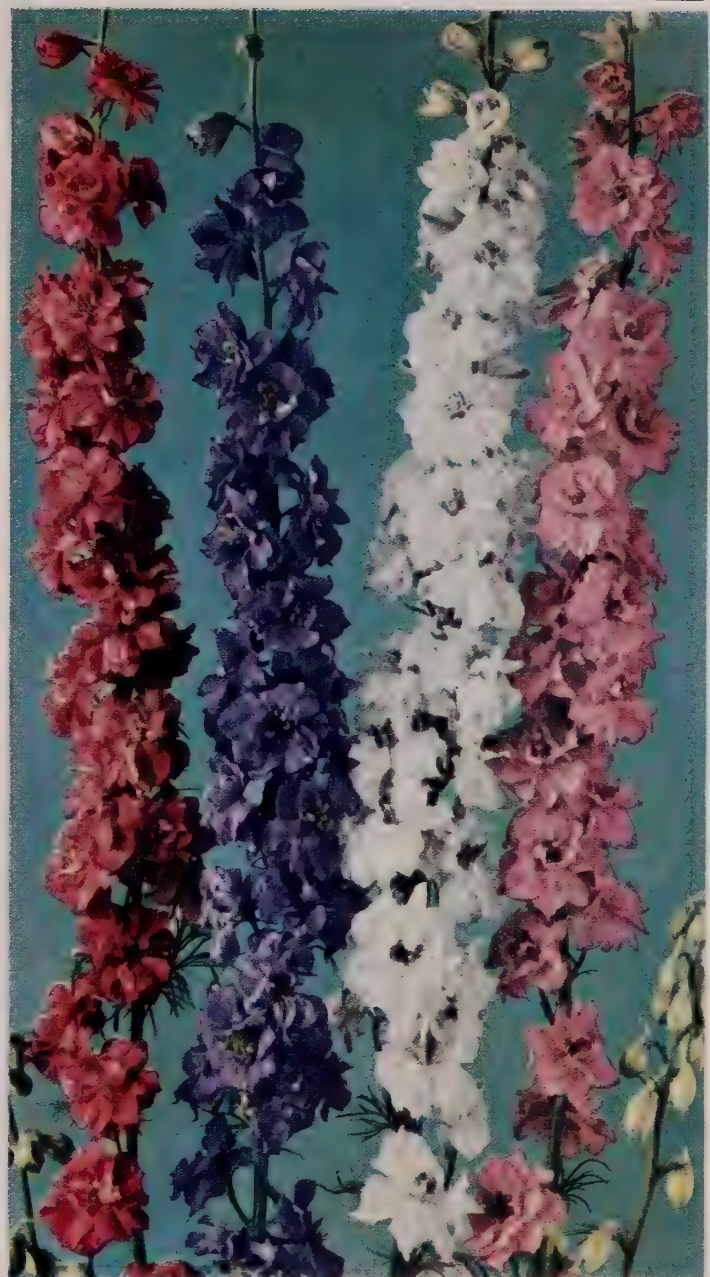
CHINESE LARKSPUR (Delphinium Chinensis). □ ①

The Chinese Delphinium blooms from seed the first year if sown early and may be treated as an annual; though it is a hardy perennial and plants will last many years. Fine for beds and border masses. Rarely needs staking and is covered with flowers all summer and fall.

- 7510 Chinese Blue Butterfly.** 18 in. Deepest blue. Pkt., 15c.
- 7520 —Blue.** 2-3 ft. Pure blue in branching dwarf spikes. Very graceful for cutting. Pkt., 10c.
- 7525 —Album.** 2-3 ft. Pure white. Pkt., 10c.
- 7522 —Cambridge Blue.** 2 to 3 ft. This variety is a really good light blue, far surpassing Belladonna in brilliancy. Pkt., 25c.
- 7530 —Mixed.** Pkt., 10c.

Chinese Larkspur Blue Mirror. See Novelty pages.

2170 LARKSPURS Vaughan's Special Annual Mixture. A charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously. They should be grown in good rich well-manured soil, and in a full sunny position. The plants, moreover, should be given plenty of room in order to allow them to branch out freely, and make handsome specimens. 1 oz., \$1.00; ¼ oz., 30c; pkt. 10c.



2170 LARKSPURS, Vaughan's Special Mixture Annual. Pkt., 10c.

Lovely Blue Lobelias □

Culture: D or E, A or B, Page 67

Dwarf Varieties

The compact class form bushy plants fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration.

- 3040 Bedding Queen.** 4 in. Dwarfest, best for ribbon bedding. Flowers deep purplish-violet, with clear white eye. Pkt., 10c.
- 3041 Blue Gown.** Clear deep blue, without eye, fine compact habit. Pkt., 25c.
- 3042 Blue Stone Re-Selected.** Compact habit, large flowers of brilliant mid-blue. 4 in. Pkt., 25c.
- 3053 Cambridge Beauty.** Large light blue flowers, green foliage. Pkt., 25c.
- 3045 Crystal Palace Compacta.** 4 in. Deepest blue, dark foliage. Pkt., 10c.
- 3050 Emperor William.** Gentian blue flowers, light foliage, one of the best and most popular sorts. 4 in. Pkt., 10c.
- 3056 Snowball.** White. Pkt., 10c.
- 3070 Mixed Colors.** Pkt., 10c.
- 3067 Tenuior.** 15 in. Upright habit, large flowers of rich cobalt blue with white eye. Pkt., 15c.

Trailing Varieties

The following varieties are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

- 3061 Hamburgia.** Sky blue with white eye. Pkt., 15c.
- 3051 Prima Donna.** 10 in. Velvety crimson. Pkt., 10c.
- 3065 Sapphire.** Large, deep blue flowers, with a pure white eye. Pkt., 15c.
- 3060 Speciosa.** 10 in. Dark blue, dark foliage. Pkt., 10c.

Lobelia Cardinalis and *Lobelia Syphilitica*.
—See Perennial Pages.

Mimosa (Sensitive Plant) □ 1 ft. (or HUMBLE PLANT)

Culture: D or E, A or B, Page 67

- 3270** A pretty and curious foliage plant with leaves like those of the Acacia. They are very sensitive and close up immediately if touched or shaken. Pinkish white flowers. Pkt., 10c.



3040 LOBELIA Bedding Queen. Pkt., 10c.



3105 LUPINUS Tall Annual Mixed. Pkt., 10c.

Annual Lupines

Culture: A or B, D or E, Page 67

Free flowering, easily grown annuals, with long, graceful spikes, pea-shaped flowers, richly and variously colored. The fine, dark, glossy foliage of the Lupin makes an admirable foil and background for the long spikes of bloom; prefers a little shade.

- 3095 Annual Yellow. Beautiful canary yellow.
 - 3091 Hartwegii, White. Pure white flowers.
 - 3085 —Cambridge Blue. Sky blue.
 - 3080 —Oxford Blue. Dark blue.
 - 3090 —Tricolor Rose Queen. Rose colored flowers.
 - King or Giant Hartwegii. 3 to 4 ft. Base branching plants, each bearing six to eight large flowers.
 - 3076 King Dark Blue. Rich Oxford blue striped white.
 - 3075 King Heliotrope. Rosy purple.
 - 3078 King Sky Blue. 3077 King White. 3079 King Mixed.
 - 3100 Subcarinosus (Texas Bluebonnet). 15 in. Charming bushy plants. The flowers are of a delightful blue, with heart shaped blotch of deep rosy flesh. Each of the above, pkt., 10c; any 3 pkts., 25c.
 - 3110 Dwarf Annual Sorts Mixed. 1 ft. Pkt., 10c.
 - 3105 Tall Annual Sorts, Mixed. Oz., 30c; pkt., 10c.
- See also Perennials and Novelties.



3314 MICROSPERMA Golden Tassel. 25c.

Microsperma 8 to 9 in.

Culture: A, B or D, Page 67

- 3314 "Golden Tassel." It forms a compact plant strikingly like a Chinese Primula. The upright flowers, 2 inches across, are adorned with a multitude of stamens, which add greatly to their beauty. This beautiful plant is admirably suited for greenhouse decoration and will also do well in the open border. Sowings should be made in heat about the end of February to March, the seedlings repotted and put out of doors at the end of May. Pkt., 25c.

Most Fragrant Annuals

Mignonette (Reseda)

Culture: A or B, Page 67

A well-known, old-fashioned flower of no great beauty, but highly prized for its fragrance, either in the garden or in mixed bouquets. The plants resent moving and seed should be sown where they are to bloom, thinning them to a foot or more apart.

- 3225 Bismarck. 1 ft. The red flowers are large, the spikes dense, foliage crinkly, while its powerful fragrance is delicious. Pkt., 10c.
- 3235 Goliath Red. 2 ft. Giant red flowering variety. Very fragrant. Pkt., 10c.
- 3234 Golden Goliath. Deep golden yellow flowers Pkt., 15c.
- 3245 Machet. 15 in. It is the best Mignonette for all purposes, either outside or inside. It is an ever-bloomer, the flowers lasting until late in the fall. 1/8 oz., 25c; pkt., 10c.
- 3260 Mixed. Also many shades and types. 1/2 oz., 25c; pkt., 10c.



3245 MIGNONETTE Machet. Pkt., 10c.

Sow For Fragrance EVENING SCENTED STOCK or PERFUME PLANT

Culture: A or B, Page 67

- 3212 Matthiola Bicornis. 15 in. Lilac flowers which in the morning, evening and after a shower emit a delicious perfume perceptible at a distance. 1/4 oz., 25c; pkt., 10c.

Matricaria

Culture: D or E, A or B, Page 67

- 3205 Capensis Fl. Pl. (Feverfew). 3 ft. Neat, small, double white flowers, well adapted for borders, beds and cutting. They are perennial, but may be treated as annuals. Pkt., 10c.
- 3206 Capensis Improved. Select flat petaled type. snow-white flowers. Pkt., 35c.
- 3208 Golden Ball. 1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers. Pkt., 10c.
- 3209 Snowball. 10 in. Profuse blooming bedding plant, double white flowers. Pkt., 10c.

Mina (Flag of Spain) =

Culture: D or E, Page 67

- 3265 Lobata. An attractive and free-flowering half-hardy climbing annual; at first the buds are a vivid red, changing to orange-yellow; flowers when fully expanded creamy white. Pkt., 10c.



3290 MARVEL OF PERU (Four o'Clocks) Mixed. Pkt., 10c.

Marvel of Peru or Four O'Clocks

Culture: A or B, D or E, Page 67

Showy summer and fall blooming plants that do well everywhere. Flowers open in the afternoon and all day if it is cloudy. It is little known that roots may be lifted in the fall and stored like Dahlias to be re-planted in spring. It will result in larger plants, stronger, with more flowers.

- 3307 Lilac. 3309 White.
- 3305 Red. 3308 Yellow. 3306 Rose.
- Each of the above, pkt., 10c; oz., 30c.
- 3290 Mixed Colors. Lb., \$2.20; 1/4 lb., 65c; 1 oz., 20c; pkt., 10c.
- 3297 Dwarf Mixed. 1 ft. Pkt., 10c.

Mesembryanthemum (Ice Plant)

Culture: A, B, D or E, Page 67

- 2870 Crystallinum (Fig Marigold) or Ice Plant. 8 in. Foliage glitters, being covered with ice-like globules; flowers, small, pinkish-white. A valuable plant for dry, sandy spots on banks, rockwork and sunny borders. Pkt., 10c.

- 2869 Criniflorum (Livingstone Daisy). Plants of slightly spreading Daisy-like flowers. 2 inches, pure white edged with rose, crimson, pink and buff; and self colors. Will grow in crevices of paving or old walls and thrives in poor soil. Pkt., 25c.

Mimulus

Culture: D or E, Page 67

- 3275 Moschatus (Musk Plant). 10 in. Trailing plant for damp, shady places. Small yellow flowers, without odor. Fine for the rock garden. Pkt., 25c.
- 3281 Red Emperor. A gem for the border and rocky, bright crimson scarlet, very free flowering and of compact habit. Pkt., 25c.
- 3280 Tigrinus (Monkey Flower) Queen's Prize, Single Mixed. 1 ft. Dwarf bushy plants, with large Gloxinia-like flowers. Pkt., 10c.

Mexican Cup (Anoda) 4 ft.

Culture: A or D, Page 67

- 3223 The Opal Cup. Luxuriantly growing plant bearing cup-shaped flowers 2 1/4 inches across, of changeable coloring, blue lavender in shadow, pink in sun. Flowers in five weeks from seed and continues until frost, forming bush a yard in circumference. Pkt., 25c.
- 3221 The Snow Cup. The blossom-cups are as white as new snow. Keep the plants well spaced for best effect, and wait until it gets into its full swing of blossoming before you judge it. Then you will like it. Blooms for a full five months, providing, of course, that hard freezing does not come. Pkt., 25c.

5844 ANNUALS FOR WINDOW OR PORCH BOX

Culture: A or B, Page 67

IN MIXTURE. A charming selection of quick growing annuals which will make a bright spot and interesting display. This is a formula mixture carefully prepared to include both compact and trailing types with brilliant colors and long flowering season. Pkt., 20c.

Modernized Marigolds

Culture: A or B, D or E, Page 67

3129 California Gold. Make this a "Golden Year" in your garden by planting "Vaughan's California Gold," a sun kissed variety which pleases not only because of its attractive deep orange flowers, with long loose petals artistically arranged, but of the fact that it does not have the disagreeable Marigold odor of the foliage. Blooms in less than four months from seed and continues until killing frost. Plants grow about 2½ ft. tall; flowers 2½ in. across on good wiry stems. Excellent for cutting. Pkt., 15c.

3142 Dahlia Flowered Sunset Giants. 3½ to 4 ft. Flowers 7½ inches in diameter are sometimes produced by plants of this giant strain, largest of all Marigolds. The average size is less, but still exceptionally large. Color varies, yellow and orange. Plants vigorous, heavy stems, 60% double. Pkt., 15c.

3140 Vaughan's Chrysanthemum Flowered Hybrids. 3 ft. An early flowering strain, bearing flowers of several distinct types, and tones of orange and yellow. Some have quilled and incurved petals, others flat Carnation-type flowers. Pkt., 15c.

3143 Chrysanthemum Flowered Incurved Mixed. Identical in form with incurved Chrysanthemum. Plants floriferous, stems strong, deep orange to light yellow flowers. Pkt., 20c.

3141 Crown of Gold. The first known Marigold with odorless foliage. Flower centers are of short curled, quilled petals with a collar of flat guard petals on outside. Color is orange, 2½-inch flowers, fragrant, 2½ feet tall. Pkt., 20c.

3183 Floribunda Orange. 12 to 15 in.; about the color of Guinea Gold. Good size, full petalled, Carnation flowered type. Plants extra early flowering; flowered profusely in mid-summer. Pkt., 15c.

3128 Golden Glow. Somewhat resembles Rudbeckia Golden Glow. Petals are straight, sharply pointed and rather flat. Blooms about 2½ inches across and are borne in clusters. Pkt., 15c.

3123 Guinea Gold. 2 to 2½ ft. The original Carnation-flowered type, producing flowers 2 to 2½ inches across, of brilliant orange flushed with gold. Practically 100% double. This is an early flowering sort. ¼ oz., 25c; pkt., 10c.

3124 Yellow Supreme. A large bloom of honey fragrance, with broad, loose, frilled petals of a rich lemon-yellow, largest of true "Carnation flowered" type. Plants are vigorous, with foliage practically free from Marigold odor. Pkt., 10c

3174 Harmony. A remarkable break which differs from others in habit, shape, and coloring. Flowers, in form suggesting a Scabiosa, are a bright golden-yellow bordered with a rich maroon-red. The plants are about 12 inches high, and very bushy habit. ¼ oz., 60c; ½ oz., 35c; pkt., 15c.



3152 MARIGOLD Orange Supreme. Pkt., 25c.

Like a Carnation

3152 Orange Supreme. Except for its deep orange coloring, this is a twin for Yellow Supreme, which can pass for a Carnation in table arrangements, and is conceded to be best of its class. Flowers reach 4 to 5 inches, on long stems, plants 3 feet tall. Pkt., 25c.

3175 Vaughan's Special Mixture of Dwarf Double and Single Varieties. These dwarf, compact strains are very attractive, each plant being covered with hundreds of small bright flowers, including listed varieties and many others of charming variations. ¼ oz., 25c; pkt., 10c

3150 Vaughan's Special Tall Mixture. This mixture includes all the African sorts, including this year's novelties. A packet will give you flowers of enormous size in a wonderful assortment of color. ¼ oz., 50c; pkt., 15c

3155 Giant Mixed. 25c



3142 MARIGOLD Sunset Giants, Pkt., 15c.



3174 MARIGOLD Harmony. Pkt., 15c.

3154 Vaughan's Treasure Chest. 2½ to 3 ft. Colors run from deepest orange through golden orange, golden, golden yellow, lemon-yellow, buff-yellow to lightest primrose. Some Chrysanthemum-like but mostly of the Carnation and Peony-flowered forms, many 5 in. across, with the average somewhat over 4 in. Some begin to bloom early, some midseason and others late, which makes for a long flowering season. Pkt., 15c.

Double Tall African 30 in.
3134 Alldouble Orange. Los Angeles' Florist Strain. Exactly like tall African Orange Queen in size and color and comes about 90% double from seed. Pkt., 15c.

3133 Alldouble Lemon. Los Angeles' Florist Strain. Yellow, same as preceding only the color is light yellow, about 90% double. Pkt., 15c.
 One packet each of above two All Doubles, 25c.

3182 Mrs. Lippincott. 3 ft. A distinctly novel type, petals flaring, giving a frilled effect. Rich creamy yellow flowers 2½ in. across. Pkt., 15c.

3126 Prince of Orange. True quilled double. Bright orange. Stiff stemmed. Pkt., 15c.

Double Tall French 24 in.
 3144 Dark Brown. 10c. 3146 Lemon Yellow. 10c.

3147 Striped (Royal Scot). 24 to 30 in. The double flowers are mahogany and gold in symmetrical stripes which radiate from the center of the flower. Pkt., 10c.

3148 Double Tall French, Mixed. Pkt., 10c.

Single Tall French

3184 Ferdinand. 20 to 24 in. Tall Single French of the Harmony type. Single flowered with a neat, round center of dainty tubular florets in an arresting shade of golden yellow, surrounded by a single row of broad, mahogany-red guard petals. While the flowers are of only medium size, 1½ to 1¾ inches in diameter they are extremely gay in appearance. Pkt., 15c.

3157 Josephine. 2 ft. Dark maroon-brown with an edging of old gold, petals of rich velvety texture, borne on long stems. Flowers are fine for cutting and win many prizes in arrangements. Pkt., 10c.

3186 Flaming Fire. 2½ ft. The long stemmed, brightly colored, large single flowers, 2 in. across, at times are flaming red, at other times red and yellow. Plants bloom in about 12 weeks. Pkt., 15c.

A Golden Shower

3200 Mexican Marigold (Signata Pumila). 10 in. A miniature type forming compact plants completely covered with bright yellow flowers with brown stripe down the center of each petal. Pkt., 10c.

3149 Tom Thumb Golden Crown. 10 in. A dwarf form of Guinea Gold. Golden yellow flowers, of the same Carnation type and firm substance, are produced in great abundance, often 25 to 30 on a plant. Fine for front row of border. Pkt., 15c.

Dwarf French Double Sorts 10 in.

3164 Dark Brown. 3167 Gold Ball.
3165 Gold Striped. 3168 Lemon.
3166 Robert Beist. A warm shade of shining purple scarlet.
3170 Yellow, Brown Margin.

Each of the above, pkt., 10c.
3171 Monarch Strain of Dwarf French, Double Mixed. Symmetrical compact habit, including orange, bronze and mahogany. ¼ oz., 35c; ½ oz., 25c; pkt., 10c.

3172 Monarch Strain Re-Selected Golden Ball. It has exceptionally large flowers for a French variety; double and deepest orange. Pkt., 15c.

3158 Dwarf French All Double Early Flowering Mixed. This is a mixture we make ourselves of All Double. Pkt., 15c.

3160 Mixed (Pride of the Garden). 15 in. Immense golden yellow flowers compact dwarf habit, forming dense bushes. An African type. Pkt., 10c.

3181 Dwarf Royal Scot All Double. 10 in. Dwarf bushy growth. Mahogany and gold. Pkt., 15c.

Single Dwarf Varieties

3178 Fire Cross (Improved Legion of Honor). Each deep orange-yellow petal carries a large crimson-maroon blotch. Pkt., 10c.

3180 Gilt Edge. 8 in. Maroon, edged yellow. Pkt., 10c. See Novelties.



2948 MORNING GLORY *Scarlett O'Hara*. Pkt., 20c.



2901 MORNING GLORY. *Giant Cornell*. Pkt., 20c.

2901 Giant Cornell

The flowers, as large as *Heavenly Blue*, are an intense carnelian red with pure white border, reproducing the colors of *Cornell University* presenting a very gay appearance. Growth is rapid and flowers come early, when vine is two feet tall, increasing in number until killing frosts arrive. ¼ oz., 50c. Pkt. 20c



2925 JAPANESE MORNING GLORY *Vaughan's Special Mixture*. Pkt., 10c.

Morning Glories and Moonflowers

Culture: A or B, D or E, Page 67

Beautiful rapid annual climbers. Foliage very dense and, in some kinds, of remarkable shape. The flowers in their wide range of delicate coloring are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant. Do not sow seed until the ground and atmospheric conditions are warm.

Heavenly Blue Morning Glory

2941 Clark's Early Flowering. There are few flowers which have a more universal appeal than the giant sky-blue trumpets of this *Morning Glory*, and the flowering period ends only when frost kills the plants. Flowers measure 3½ to 4 inches across. To sow indoors, nick through hard outer shell of seed with knife or file. Then sow in flower pot, in good friable soil, and place where bottom heat of at least 70 degrees is provided. Keep indoors until weather is warm. If sown outdoors, do not sow until the ground is warm and summer established. Give plants full sun and do not overfeed as this may limit flowers. Oz., \$1.00; ¼ oz., 30c; pkt., 15c.

2942 Heavenly Blue Improved. Similar to *Heavenly Blue*, from which it was developed, this improved strain is in all respects superior to the old. The color is a deep sky blue, shading lighter toward the center; the flowers are large and freely produced and the plants flower early and continue throughout the summer. It is also much earlier flowering and the flowers remain open to six o'clock in the evening on cloudy days. Oz., \$1.00; ¼ oz., 30c; Pkt., 15c.

A GLORIOUS DECORATION

For the breakfast table try *Heavenly Blue Morning Glories*. Cut the largest buds in the evening, after the day's bloom has faded, and put them in a wide low bowl with slim sprays of *Silver King Artemesia* and curving sprays of *Polygonum Auberti* (*Silver Lace Vine*) as a delicate touch to this arrangement. The very fact that this is only for the morning seems to add to its enchanting beauty.

2948 Scarlett O'Hara. *Vaughan's Selected Stock.* *Vaughan's Re-selected strain* is a distinct improvement as it flowers earlier than the original type and has the ability to climb without assistance. A sensational climber, stunning 3½-in. flowers of a soft velvety scarlet. The bright color is carried well down the throat, borne in profusion from July until frost. The flowers stay open longer in the day than other sorts and the foliage is quite distinct, ¼ oz., 60c; oz., \$2.00; pkt., 20c.

1908 Crimson Rambler. A *Morning Glory* of bright ruby red, member of the *Convolvulus* family, which flowers with all the well-known vigor of its race, and will clamber over an arbor in record time. ¼ oz., 25c; pkt., 10c.

2935 Red, White and Blue Mixed. Pkt., 20c.

2925 JAPANESE MORNING GLORIES *Vaughan's Special Mixture.* The colors run from snow-white through all tones of blue, red, and purple. Sun-loving plants do best when protected from north and west wind. 1 oz., 75c; ½ oz., 40c; ¼ oz., 25c; pkt. 10c
See also *Novelties*.

Day Flowering Ipomoeas

2900 Coccinea (Star Ipomoea). Small scarlet flowers in great profusion. Pkt., 10c.

2950 Setosa (Brazilian Morning Glory). Leaves are 9 inches across; flowers 2 inches, tinted pink with a star of satiny pink. Curious seed pods. Pkt., 10c.

2937 Alamo or Mile-A-Minute Vine. Fast growing delicate foliage vine, excellent cover for fences or trellises, flowers 1½ in., creamy white, center deep wine red, open late morning and afternoon. Pkt., 10c.

CONVOLVULUS

Culture: A or B, D or E, Page 67

1900 Tall Mixed, all colors. 1 lb., \$1.00; ¼ lb., 30c; 1 oz., 15c; pkt., 10c.

DWARF MORNING GLORY. 1 ft.

Showy hardy annuals for beds and borders, also rockwork; they bloom for a long period and delight in sun.

1919 Dwarf Blue. Beautiful blue flowers on a dwarf bushy plant, a good match for *Heavenly Blue*. Fine for edging or rockwork. Pkt., 10c.

1921 Dwarf Rose. Exactly like above but a lovely rose color. Pkt., 10c.

1920 Mixed, all colors. Oz., 25c; pkt., 10c.



2941 MORNING GLORY. *Clark's Early Flowering Heavenly Blue*. Pkt., 15c.



2945 IPOMOEA *Double Rose Marie*. Pkt., 15c

2945 Double Rose Marie. We are not surprised by *Morning Glories* which belong to the *Moonflower* family (*Ipomoeas*) but a double *Morning Glory* is something to talk about. It grows well and produces freely its lovely double flowers. Pkt., 15c.



2905 WHITE MOONFLOWER. Pkt., 10c.

Night Flowering

IPOMOEA (*Moonflower*) □ = 20 ft.

2895 Bona Nox (Evening Glory). Violet. Pkt., 10c.

2905 Mexicana Grandiflora Alba (White Moonflower). Covered with large white flowers every evening and cloudy day. Pkt., 10c.

2910 Giant Pink. Soft lilac-pink flowers. Pkt., 10c.

Fragrant Double Nasturtiums □

Culture: A or B, D or E, Page 67

NASTURTIIUMS will really grow on soils incapable of supporting any other plants, and are most useful on dry, sandy, or gravelly banks.

Aphis on Nasturtiums. One of our friends writes in "Horticulture": "I am not troubled with aphis if I sprinkle moth balls on the ground quite close to the stems of the plants." Red Arrow is also recommended.

Dwarf, Double, Bushy Varieties

- 3540 Delightful.** Most pleasing shade of soft salmon-cerise, the upper petals prettily marked crimson-maroon at the base and as flowers age often take on a deeper shade of salmon-cerise than the lower petals. Flowers are held well above the luxuriant, bright green foliage. Pkt., 15c.
- 3541 Garnet Gem.** Striking color—deep, rich, very bright garnet-red with just enough orange to enliven it with an iridescent glow. Flowers are double or semi-double, with 8 to 10 petals, and grow about 2½ in. across. Long stemmed and delightfully sweet scented. Pkt., 25c.
- 3542 Globe of Fire.** Fragrant double flowers of flaming red, contrasting vividly with the dark green leaves, are borne in great abundance upon a compact dwarf plant. Pkt., 15c.
- 3558 Golden Globe.** Identical in color with Golden Gleam, but making bushy plants which the freely produced blossoms convert into mounds of gold. Oz., 40c; pkt., 10c.
- 3542 Mahogany Gem.** The darkest colored Nasturtium we have ever seen; the velvety, brilliant flowers are rich, deep mahogany. Plants are very compact and dwarf; flowers are large, double and sweet scented. Pkt., 15c.
- 3543 Orange Glory.** The large, sweet-scented flowers are bright orange; the base of each of the upper petals and most of the inside of the throat are painted with deep garnet-brown. Narrow lines of this latter color radiate like a fan over the upper petals, but disappear in an overlay of orange-chrome. Petals are wonderfully fluted and crinkled. Pkt., 15c.
- 3544 Primrose Gem.** The dwarf, compact plants are literally covered with giant double, sweet-scented soft primrose colored flowers. Pkt., 15c.
- 3545 Ruby Gem.** Dwarf, compact, globe-shaped plants literally covered with large double, sweet-scented, bright ruby colored flowers. Pkt., 15c.
- 3556 Vaughan's Dwarf Double Fragrant Mixture.** Pkt., 15c.

3570 Vaughan's Special Mixture of Dwarf Nasturtiums. This mixture is put up by ourselves from named sorts of the single and double varieties which have the richest and most varied combination of colors. ¼ lb., 45c; 1 oz., 15c; pkt., 10c.

3560 Dwarf Double Gem Mixed. Ideal for edging beds and window boxes. It produces an evenly balanced range of bright colors. ¼ lb., 80c; oz., 30c; pkt., 10c.



3560 NASTURTIIUMS, Dwarf Double Gem Mixed. Pkt., 10c.



3732 NASTURTIIUM Indian Chief. Pkt., 15c.

Tall, Double, Fragrant Varieties

- 3727 Caprice.** Primrose and salmon-cerise blotched, streaked or mottled in various degrees, often changing considerably in different flowers on the same plant. Very large, double flowers. Pkt., 10c.
- 3733 Fire Gleam.** Bright scarlet. Pkt., 10c.
- 3735 Golden Gleam.** The large double, sweet-scented golden yellow flowers on long stems are borne profusely well above the bright green foliage. ¼ lb., 50c; oz., 20c; pkt., 10c.
- 3732 Indian Chief.** It has dark foliage and vivid scarlet flowers. The blooms are sweetly scented and freely produced. Pkt., 15c.
- 3728 Mahogany.** Large, double, sweet-scented, dark mahogany-red flowers borne with the greatest freedom well above the foliage of the semi-tall plants. Pkt., 10c.
- 3737 Orange Gleam.** Clear deep orange colored flowers. Oz., 20c; pkt., 10c.
- 3734 Salmon Gleam.** Delicate golden salmon. Oz., 20c; pkt., 10c.
- 3738 Salmon Cerise.** Pkt., 10c.
- 3736 Scarlet Gleam.** The flowers are a fiery orange-scarlet three inches across. The sweet fragrance is pronounced, the double flowers uniform. Oz., 30c; ½ oz., 20c; pkt., 10c.

3739 Double Glorious Gleam Hybrids. Colors never seen before in a double Nasturtium abound in profusion—salmon, golden yellow, orange scarlet, cerise, cream yellow, orange, crimson, and gold flushed scarlet combine with the foliage of fresh green. ¼ lb., 50c; oz., 20c; pkt., 10c.

3745 Vaughan's Special Mixture of Tall Nasturtiums. In this will be found all the choicest colors of all the Tall Nasturtiums, both single and double, and will furnish a brilliant display of flowers. ¼ lb., 45c; 1 oz., 15c; pkt., 10c.

Myosotis Forget-Me-Nots □ 1 ft.

Culture: A, B, or C, Page 67

Will bloom the first year from seed, so treat as annuals. If wintered over, Alpestris varieties will bloom in early spring; they delight in well-drained soil in a sunny location. Other varieties listed will bloom from May until frost and prefer cool, moist loam and half-shade. For beds, borders, rock gardens, pots and cutting.

- 3320 Alpestris Blue.** Trailing habit. Pkt., 10c.
- 3321 —Blue Eyes.** Bright blue with white eye, large, early. Pkt., 15c.
- 3328 —Indigo (Sutton's Royal Blue).** Pkt., 10c.
- 3330 —Rosea.** Pink. Pkt., 10c.
- 3345 —Mixed.** ¼ oz., 25c; pkt., 10c.

Dwarf Forget-Me-Nots

Dwarf globular plants, completely covered with bloom, best variety for borders and pots.

- 3341 Victoria Indigo Blue.**
- 3342 Victoria Rose.**
Each of the above, pkt., 15c.
- 3356 Vaughan's Early Blue Bird.** 1 ft. A beautiful deep blue variety. A perennial which blooms from seed if sown early the first year. Pkt., 25c.
- 3355 Vaughan's Early and Late-Flowering.** The flowers are borne on long, stiff stems. The blossoms are the most exquisite sky-blue with a delicate white center. Pkt., 10c.

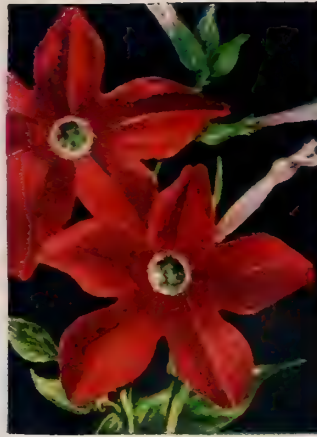


MYOSOTIS Forget-Me-Not,

KEY TO SYMBOLS: □ Annuals. # Biennials. ① Perennials. ÷ Greenhouse Plants.
+ House Plants. = Climbing Plants. × Rock Garden Plants.



3390 NICOTIANA Affinis. Pkt., 10c.

3393 NICOTIANA Affinis
Crimson Bedder. Pkt., 15c.

3926 PENTSTEMON Sensation Mixed. 25c

Nicotiana 2 ft.

Sweet-Scented Tobacco Plant

Culture: A or B, D or E, Page 67

- 3390 Affinis.** One of the most delightfully fragrant flowers, giving a continuous display of waxy white flowers right through the summer and autumn. The plants are of branching, bushy habit, carrying their flowers in clusters. $\frac{3}{4}$ oz., 25c; pkt., 10c.
- 3392 Affinis Hybrids.** Splendid hybrids in blue, red and rose shades. $\frac{3}{4}$ oz., 25c; pkt., 10c.
- 3393—Crimson Bedder.** The flowers are of a rich deep crimson. 15 in. Pkt., 15c.
- 3391—Crimson Flame.** Petunia-like flowers form five pointed red stars, very fragrant. Pkt., 25c.
- 3404 Orange Blossom (Miniature White).** 18 in. An elegant small-flowered pure white species; delightfully scented; even, upright growth. Daintier than the Affinis or Sanderae Hybrids. Pkt. 25c.
- 3395 Sanderae.** Branching habit, bearing on light, graceful stems, rosy carmine flowers. Pkt., 10c.
- 3396 Sanderae Crimson King.** Dark velvety crimson-red flowers. Pkt., 10c.
- 3397 Sanderae Hybrids.** Pkt., 10c.
- 3405 Sylvestris.** 4 ft. Pyramidal habit, with long, tubular, pure white flowers, in panicles. Pkt., 10c.
- 3389 NICANDRA (Shoo Fly Plant).** 3-4 ft. Showy blue flowers and odd fruits. Pkt., 10c.

Nemophila (Baby Eyes) 6 in.

Culture: A or B, D or E, Page 67

- Hardiest of annuals, and of the easiest culture.
- 3376 Insignis, Blue.** Lovely cup-shaped, sky blue flowers with white center. Pkt., 10c.
- 3380 Mixed, all colors.** Cup-shaped flowers in many bright colors, the blue shades being particularly attractive. Pkt., 10c.

Nolana (Chilean Bellflower)

Culture: A, Page 67

- 3387 Blue Ensign.** Native Chilean Bellflower. In pots it will grow 12 inches high, outdoors it spreads a little and throws up large ultramarine-blue flowers on stems 5 or 6 inches high. In shape these resemble an Ipomoea, enhanced by the large pure white center. Sow outdoors in May where the plants are to bloom. Fragrant. Pkt., 25c.

ORNAMENTAL GRASSES MIXED — See page 30.

- 3439 OENOTHERA Lamarckiana (Evening Primrose).** Yellow. Pkt., 10c.

Oxalis

Culture: D or E, Page 67

- 3445 Rosea.** An excellent little plant for edging or rock gardens. Blooms all summer in the greatest profusion; flowers dark rose and delicate pink. Pkt., 25c.

Night Garden. Plant white flowers. "These add to the pleasure and enjoyment of a garden in mid-summer as they are the only ones to appear to an advantage in the moonlight."



3420 NIGELLA Miss Jekyll. Pkt., 10c.

Nigella (Love-in-the-Mist)

Culture: A or B, D or E, Page 67

- 3420 Miss Jekyll Dark Blue.** A lovely variety, bearing on long stems, large semi-double flowers of a charming intense dark blue nestling in fine feathery foliage. Pkt., 10c.
- 3422 Miss Jekyll White.** Pkt., 10c.
- 3415 Mixed.** Blue and white. 18 in. Pkt., 10c.
- 3417 Hispanica Dragon Fly.** This is quite distinct from the Miss Jekyll type. The flower is single with thick fleshy petals and sturdy stem. 15 inches in height—branches well. The flowers are rich dark blue. Pkt., 10c.

3318 Miniature Bouquet

Collection 10 Packets for 75c.

Flowers for little bouquets may be grown in six by ten feet. Or, if your garden is large, this little plot can be made in a single unit by surrounding it with a hedge of thyme (herb). It can be turned into a little bouquet itself and furnish bouquets for little vases all summer.

Alyssum Sweet
Calliopsis Dwarf Mixed
Candytuft Dwarf Mixed
Centaurea Jubilee Gem
Collinsia Mixed
Dianthus Special Double & Single Mixed
Marigold Signata Pumila
Mignonette Machet
Anagallis Coerulea
Zinnia Midget Mixed

These are seeds of plants of compact growth and very free flowering and most attractive in color and form.

Sorry, we can make no change in varieties.

Pentstemon

Culture: D or E, Page 67

- 3926 Sensation Mixture.** If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome Gloxinia-like flowers. Often 2 in. across and in the most brilliant and varied colors, many of which are beautifully edged with a fine contrasting color. 2 ft. Pkt., 25c.
- 3931 Miniature Hybrids.** 2 $\frac{1}{2}$ ft. A strain bearing long graceful spikes of miniature flowers, similar to Gloxinoides, but with a wider color-range. Early, keeps well when cut. Pkt., 25c.
- See Perennial Pages for other varieties.

Nierembergia

Sheets of Lavender Bloom

Culture: D or E, Page 67

- 3411 Hippomanica Coerulea.** Grows not more than 4 to 6 inches high, forms a cushion of elegant light green foliage from which emerge corymbs of salver shaped flowers of a delicate lavender hue, 1 to 1 $\frac{1}{4}$ inches across. Blooms the entire summer. Pkt., 25c. Plants, 3 for 85c.
- 3410 Gracilis.** 6 in. White flowers, graceful plant for rockwork and hanging baskets, etc. Pkt., 10c. See Novelties.

Nemesia

Culture: D or E, Page 67

- The orchid-like flowers range from rose to yellow-orange and blue. It should have an early start in greenhouse or hotbed so it can flower before mid-summer.
- 3361 Dwarf Aurora.** 8 inches. Upper petals are dazzling turkey-red and the lower ones milk-white.
- 3364 —Brightness.** Brilliant cherry red.
- 3365 —Blue Gem.** 7 inches. One of the best blue annuals for bedding.
- 3362 —Fire King.** Bright red. **3363 —Orange King.**
- 3367 —White Queen.** 9 in. Large flowered. Each of the above, pkt., 15c; 3 pkts. for 35c.

Large Flowered

- 3369 Blue.** **3368 Scarlet.**
- 3372 Orange.** **3373 Rose.**
- Each of above, pkt., 15c; 3 pkts. for 35c.
- 3360 Large Flowered Mixed.** 1 ft. Is the finest strain for size and richness and variety of colors. Pkt., 15c.

- 3359 NEMESIA Triumph Hybrids.** A splendid race of these popular annuals. The plants grow 6 to 8 inches high, in bushy form, and bear continuously, myriads of brilliantly colored flowers; cream, orange, yellow, crimson, rose, scarlet, etc., tipped with other colors. Pkt... 15c

Patriotic Gardens in Red, White and Blue may be selected in Aster, Centaurea, Morning Glory, Pansy, Petunia or Sweet Pea families.

Vaughan's New Giant Pansies

Culture: A, B or C, Page 67

Pansies have long been a specialty with us. We introduced the Swiss Giants to American gardens and named and introduced the lovely Canadian variety Maple Leaf. Leaflet on culture will be supplied if asked for when ordering seed.



3794 Vaughan's Super Maple Leaf Giant Mixture (Canadian Giants). It is quite different from other types. The leaves are of giant size and the flowers are up to 4 inches across, under good cultivation. Of wonderful substance and fine form. Many charming colors are included. This has been a prize winner whenever shown. $\frac{1}{8}$ oz., \$1.50; Pkt. **50c**

GIANT SWISS VARIETIES

- 3892 Swiss Alpenglow.** Rich wine-red shades. Pkt., 25c.
- 3896 Swiss Berna.** Dark violet blue. Pkt., 25c.
- 3891 Swiss Blue (Ullswater) (Thuner Sea).** Deep blue flower with blue-black blotches. Pkt., 25c.



- 3892 PANSY Swiss Alpenglow.** Pkt., 25c.
- 3820 Swiss Coronation Gold.** The largest pure gold self. Pkt., 50c.
- 3897 Swiss Delft Blue.** A delightful tone of translucent blue. Pkt., 25c.
- 3895 Swiss Luna.** Light straw yellow. Pkt., 50c.
- 3900 Swiss Pure White.** Pkt., 50c.
- 3893 Swiss Yellow (Rheingold).** Rich yellow with blotches on the three lower petals. Pkt., 25c.

3880 Vaughan's International Mixture. A mixture of special strains including Swiss Giants, Maple Leaf Giants and other mixtures. Flowers of largest size and great substance in the most varied colors and color combinations. Since this mixture contains but very few self-colors, such as white, blue and yellow, these should be ordered separately if desired. $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.60. 3 pkts. for 65c; pkt. **25c**

3894 Vaughan's Super Swiss Giant Mixture. The flowers are gigantic size, perfectly round, fine substance of flower and good form of plant, and exhibit shades previously unknown in this family. They bloom early in the spring, continuing in flower all summer until late in fall. $\frac{1}{4}$ oz., \$3.50; $\frac{1}{8}$ oz., \$2.00; $\frac{1}{16}$ oz., \$1.25. Pkt. **35c**

SPECIAL MIXTURES

- 3887 Geneva Giant Mixed.** A special selection of Swiss Giants. They contain quite large flowers of fine substance and exceptionally bright colors. The seed we supply is from the originator in Geneva, Switzerland. Pkt., 50c.
- 3888 Vaughan's Dwarf Super Swiss Mixed.** For those who desire a dwarfier plant than the original type, we have had our grower make this selection. The colors are the same as in the original strain but the plant itself is considerably shorter. Pkt., 35c.

- 3876 Masterpiece (Frisled Pansy).** A remarkable type, each petal being conspicuously curled or waved. Color range extensive, rich, dark, velvety shades predominating. Pkt., 25c.
- 3871 Orchid-Flowered Eldorado Art Shades.** A lovely type, including only pretty tints and combinations of cream, primrose, pale mauve and other delicate shades, the well formed flowers being exquisitely frilled. These delicate shades should not be mixed with stronger colors. Pkt., 25c.
- 3840 Trimardeau Mixture.** It has a complete color range, but lacks the newer varieties. Pkt., 10c.
- 3881 Engelmann's Giant.** A special strain selected and developed by an English grower. The plants are dwarf and compact and the huge flowers, in many dark and light tones, appear early. Pkt., 50c.

GIANT VARIETIES

- 3750 Adonis.** Blue, white margin. Pkt., 10c.
- 3756 Azure Blue.** Clear light blue. Pkt., 10c.
- 3771 Coal Black.** A jet black. Pkt., 10c.
- 3779 Emperor William.** Dark navy blue. Pkt., 10c.
- 3862 Fire Beacon.** Bright wallflower red with a touch of orange. Pkt., 50c.
- 3863 Golden Queen.** Yellow without blotches. Pkt., 10c.
- 3785 Mad. Perret.** Pink shades. Pkt., 10c.
- 3822 Prince Henry.** Dark blue. Pkt., 10c.
- 3819 Purple.** Rich deep purple. Pkt., 10c.
- 3864 White with Dark Eye.** Very large. Pkt., 10c.
- 3865 White, Pure.** Without blotches. Pkt., 10c.
- 3866 Yellow with Black Eye.** Pkt., 10c.

3875 Vaughan's Giant Mixture. This mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc., and is probably the best "general" high-grade mixture obtainable. All the flowers are of the Giant type and of good shape and texture. $\frac{1}{8}$ oz., \$1.00; 2 pkts. for 25c. Pkt. **15c**

Baby Pansies Bloom in 70 days from Seed

- 3761 Baby Delight.** An ideal Pansy for spring blooming. Extremely early flowering, blooming in 70 days from seed. Makes dwarf but compact bushy growth with a height of not more than 8 in. The flower is lovely light blue, with a pleasing "face," about 1 inch in diameter. Pkt., 20c.
- 3762 Mrs. A. H. Scott.** Another of the "baby group" with flowers of the Beaconsfield color, top petals white, lower ones violet purple. A brilliant combination. Pkt., 20c. This, like Baby Delight, will blossom in seventy days from seed, which can be sown indoors in the early spring.



Vaughan's Wick-fed Seed Starter (see index) makes it easy to start the seeds of pansies, petunias, and other flowers in a sun-parlor or living room window. It embodies the latest tested methods developed by scientists.

3761 PANSY Baby Delight. Pkt., 20c.

4017 **PETUNIA** Celestial Rose. Pkt., 25c.4001 **PETUNIA** Heavenly Blue Re-selected. Pkt., 25c.4005 **PETUNIA** Improved Rosy Morn. Pkt., 15c.3975 **PETUNIA** Howard's Star Improved. Pkt., 10c.

Small Flowering Single Petunias □

Culture: A or B, D or E, Page 67

Single Dwarf Small Flowering Petunias 12 to 15 in.

4017 **Celestial Rose.** Improvement on Rose of Heaven. More compact in growth and deeper in color. A beautiful rich satiny rose. Pkt., 25c.

3999 **Cockatoo.** Velvety deep violet-purple with irregular sized white spots and stars. Pkt., 25c.

4002 **Crimson.** Pkt., 10c.

4001 **Heavenly Blue Re-Selected.** A silvery light blue. Varies about 10% in shade. Pkt., 25c.

4005 **Improved Rosy Morn.** An improved strain of the clear pink bedding variety. Of deeper coloring, more compact growth, and freer flowering with the same white throat. $\frac{3}{8}$ oz., 50c; pkt., 15c.

4079 **Martha Washington.** 9 in. Blush pink deepening to dark violet throat, ruffled flowers. Pkt., 25c.

4018 **Rose of Heaven.** Rich brilliant rose, with inconspicuous white throat, darker than Rosy Morn. $\frac{1}{4}$ oz., 60c; $\frac{3}{8}$ oz., 35c; pkt., 10c.

4023 **Salmon Supreme.** 12 in. Distinct light salmon color. Flowers $1\frac{1}{2}$ in., white throat, Pkt., 25c.

4019 **Senator.** Purple with white throat. Pkt., 15c.

4020 **Snowball.** Pure satiny white. $\frac{3}{8}$ oz., 35c; pkt., 10c.

4021 **Twinkles (Adora).** Masses of small brilliant rose flowers with well-defined pure white star. Free blooming. Pkt., 20c.

3990 **Violet Queen (Improved Blue Bird).** Rich violet, compact and dwarf, best strain. Pkt., 25c.

Single Small Flowering Petunias 18 to 24 in.

4006 **Flaming Velvet.** A rich velvety crimson, best of its color in this class. $\frac{3}{8}$ oz., 50c; pkt., 15c.

3972 **Hollywood Star.** The blossoms are of unique shape, the petals being pointed and forming a five pointed star. The color is a lovely deep rose, with yellow throat, making a pleasing combination. Plants are bushy, and habit has been much improved since its introduction last year. It is early and free flowering. Pkt., 25c.

3975 **Howard's Star Improved.** Red purple with white star. Pkt., 10c.

3971 **Norma.** Blue with white star. Pkt., 10c.

3986 **Topaz Rose.** A fiery velvety rose, topaz throat. Pkt., 25c.

3980 **White King.** Showy clear snow white flowers. Pkt., 25c.

3995 **Finest Mixed.** $\frac{3}{8}$ oz., 25c; pkt., 10c.

4025 **Vaughan's Special Mixture of Dwarf Small Flowering Varieties** includes all the varieties listed and many others, and will be a revelation to those who plant a packet, in furnishing an unending supply of flowers in a most bewildering combination of colors. $\frac{1}{4}$ oz., 85c; $\frac{3}{8}$ oz., 50c; pkt., 25c.

See Novelty Pages.

3990 **PETUNIA** Violet Queen. Pkt., 25c.4018 **PETUNIA** Rose of Heaven. Pkt., 10c.4025 **PETUNIA** Vaughan's Dwarf Small Flowering Mixed. Includes all colors in this type. Pkt., 25c.3972 **PETUNIA** Hollywood Star. Pkt., 25c.

Miniature 6 in.

A new strain of dwarf compact miniature Petunias.

4024 **Pink and White Gem.** Rose-pink starred white.

4028 **Royal Gem.** Deep rosy crimson-carmine with white throat.

4026 **Gem Mixed.**

Each of the above, pkt., 15c.
See also Novelties.

4023 **PETUNIA** Salmon Supreme. Pkt., 25c.

Large Flowering Petunias □

Culture: D or E, Page 67

In dry season or wet, the Petunia is the most adaptable, long flowering and colorful of the garden annuals. There is an almost complete color range from the pure white to delicate yellow, through many shades of red and rich purple, veined or blotched with plain or frilled edges. There are small, large single, and double flowered. Every gardener's desire may be gratified. Petunias make good cut flower material. We supply a leaflet on culture with order.



4066 Dwarf California Giant Mixed. Pkt., 50c.

4066 Dwarf California Giants Mixed.

The habit of the plant is very dwarf, flowers very large and of the finest substance. All with open-veined throats of the Superbissima type. Pkt., 250 seeds, 50c; 500 seeds, 90c.

Large Single Flowering 12 to 16 in.

The flowers of this type average 3 to 4 inches across.

4058 Elk's Pride. Velvety black-purple, best of all dark blues. Pkt., 25c.

4052 Silver Edge Purple Robe. A superb deep velvety violet—enhanced by a fine silver line usually appearing at the edge of the flower. Pkt., 50c.

4055 Snow Storm. Glistening white, shadowing yellow in the throat. An improvement on White Cloud. 4 to 5 in. flowers. Pkt., 35c.

4067 White Cloud. Fine compact bushes only 12 inches high, richly covered with pure white blooms 3 to 3½ inches in diameter. Pkt., 35c.

4076 Fluffy Ruffles Mixed. The flowers are so ruffled and frilled they have the appearance of being double. The flowers are very large with large throat. It is a well balanced mixture of pink, white, salmon, deep rose crimson, and light blue. Pkt. 35c



4055 Snow Storm. Large Flowered White. Pkt., 35c.

4065 Giants of California

Mixed. A well balanced mixture containing a remarkably fine variety of colors, in blends of crimson, white, violet, lavender and pink. Large flowers freely produced. Pkt. 25c

Balcony Type Petunias 18 to 24 in.

Single large flowering sorts, trailing habit.

4037 Balcony Black Prince. Dark crimson, rich and velvety.

4036 Balcony Cornflower Blue (Blue Wonder). Rich blue.

4030 Balcony Queen. Rich, velvety violet with white star.

4034 Balcony Red.

4041 Balcony Rose.

4040 Balcony Rosy Morn. Rose with white throat.

4035 Balcony White.

4038 Balcony Coppery Rose.

A beautiful warm color.

Each of the above, Pkt., 25c; any 3 for 65c.

4042 Balcony Mixed. ¼ oz., 60c; pkt., 25c.

Giant Single Flowering 18 in.

The flowers of this strain average 5 to 7 inches across.

4063 Camilla. A beautiful, ruffled rose-pink, with rich crimson veining. Pkt., 50c.

4071 Copper Red. Enormous flowers with a dark throat, deeply veined. Pkt., 25c.

4070 Empress. Lilac blue with purple veins, one of the most free flowering and out-standing varieties. 25c.

4090 Prince of Wurtemberg. Darkest. Pkt., 25c.

4075 White. Yellow throat. Pkt., 25c.

Large Single Fringed Flowering

4053 Lace Veil. 12 in. Large pure white flowers with fringed petals, many waved. Pkt., 25c.

4047 Purple Beauty. 16 in. A large flower beautifully frilled, the best blue fringed Petunia. Pkt., 50c.

4077 Salmon Beauty. True salmon pink, one of the outstanding varieties in our trials. Pkt., 25c.

4078 Setting Sun. Forms compact bushes 12 inches high, covered with fringed blossoms of rose pink, measuring 3 inches across. Pkt., 35c.

4062 Theodosia. 20 in. Fringed rosy pink with a clearly defined golden center. Pkt., 35c.

4059 White Beauty. Fringed pure white. Pkt., 25c.

See also Novelties.

Double Flowering

3935 Vaughan's Special Mixture of Double

Petunias. This is a mixture of the best large flowering and fringed double Petunias. Of course, only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 60 to 80 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers. Pkt. (200 seeds), 50c.

3953 Double Rosy Morn. Medium-sized flower semi-double with heavy petals folding back from center of a lovely rose color. It resembles a Gardenia in shape. About 50% double. Pkt. (250 seeds), 50c. See Novelties for the "Alldouble" Petunias.

TESTIMONIAL

July 21, 1941.

Last spring I obtained seeds from your firm and now have a most beautiful display of Marigolds, Asters and Snapdragons. I think every seed germinated and I had enough for my own garden and those of six friends.

F. C. T., Topeka, Kansas.



4078 PETUNIA Setting Sun. Pkt., 35c.



4037 PETUNIA Balcony Black Prince. Pkt., 25c.



4077 PETUNIA Salmon Beauty. (Giant Flowered) Pkt., 25c.

4100 Vaughan's Best Mixture Large Flowering Single. Includes Giant Ruffled, all colors of large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats and mammoth flowers. Pkt. (300 seeds) 25c

Vaughan's Wick-Fed Seed Starter

Petunia seeds need an early start indoors; and this can be given successfully in a sunparlor or living room window, by using Vaughan's Wick-Fed Seed Starter. (See Index). It embodies the latest scientific methods, and does away with dirt and dampness.

Phlox, the Gayest Annual

Culture: A or B, D or E, Page 67

PLANT a bed of these gorgeous annuals this year. If your favorite colors are the delicate shades, buy the Gigantea Art Shades; if you want a brilliant kaleidoscopic display, plant our Vaughan's Special Mixture. It has a complete color range of the delicate and brilliant shades. Seed may be sown in the open as soon as frost danger has passed, and flowers will appear in a few weeks. If faded flowers are removed they bloom until late frost. 12 inch.

HARDY PHLOX—See Perennial Pages.

Giant Flowered Phlox

4103 Gigantea Art Shades.
A new strain with flowers 1½ inches in diameter, in a remarkable variety of soft color tones, which blend delightfully. ¼ oz., 35c; ¼ oz., 60c; pkt., 25c. (See also Novelties)

Grandiflora Varieties □

This section has beautiful, round-petaled flowers, which overlap each other.

4113 Brilliant. Rose with dark eye.
4140 Buff Yellow.

4116 Cinnabar Scarlet. The brightest red in this gay family.

4114 Cinnabarina. Brilliant red.

4120 Chamois Rose.

4137 Dark Blue. True blue.

4125 Fiery Scarlet.

4126 Flaming Velvet. Rich deep reddish purple.

4127 Flaming Velvet, White Eye.

4115 Flesh Color.

4155 Pink.

4105 Pure White.

4150 Scarlet with White Eye.

4160 Violet with White Eye.

4107 White with Dark Eye.

Each of the above, pkt., 15c; 3 pkts., 40c.

4165 Splendid Mixture. Oz., \$2.60; ¼ oz., 75c; pkt., 10c.

4175 Cuspidata or Star Mixed. Quaint and unusual flower formation. Pkt., 15c.

Vaughan's Beauty

This is the finest large flowering dwarf Phlox in existence. It forms round compact bushes of about 6 to 8 inches in height, which are covered with its large flowers generally with centers of contrasting colors. The regular and uniform growth of all colors, its grand display of the shades, and the large size of the flowers place this far above all the other dwarf sorts.

4211 Alba, white. **4212 Chamois.**

4213 Coccinea, scarlet.

4215 Delicate. **4210 Mixed.**

Each of above, pkt., 15c; any 3 pkts., 40c.



4430 PORTULACA Single Mixed. Pkt., 10c.



4220 PHLOX Vaughan's Special Mixture. Pkt., 15c.

4220 PHLOX VAUGHAN'S SPECIAL ANNUAL MIXTURE.

Contains all the Grandiflora varieties listed here and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. ¼ oz., 85c; ¼ oz., 50c; pkt., 15c



4101 PHACELIA Campanularia. Pkt., 10c.

Phacelia □ 8 in.

Culture: A, B, D or E, Page 67

4101 Campanularia. Sow where they are to grow. Dwarf plants bearing terminal racemes of gentian-blue flowers with conspicuous white anthers. Pkt., 10c.

Passiflora

Culture: A or B, D or E

3910 Coerulea Grandiflora (Passion Flower). Slender but strong grower. Flowers 2½ to 3½ inches across, slightly fragrant, greenish white; the corona is blue at the tip, white in the middle and purple at the base. Pkt., 10c.

4515 PYRETHRUM Aureum Golden Feather.

Culture: A or B, D or E

16 in. Edging plant grown for its beautiful yellow foliage. Pkt., 10c

Phlox Nana Compacta Dwarf

These make symmetrical bushes, covered with flowers during the whole summer and fall. 8 in.

4182 Apricot. Yellow.

4182A Cinnabarina. Brilliant red.

4187 Delicata. Soft salmon pink.

4183 Fireball. Blood-red.

4192 Isabellina. Buff yellow.

4201 Mirabilis. Salmon-pink with white eye.

4200 Salmon Pink.

4189 Snowball. Pure white.

4203 Violet.

4204 Violet, White Eye.

Each of the above, pkt., 20c; any 3 pkts. for 50c.

4205 Nana Compacta Mixed. All colors. ¼ oz., 75c; pkt., 20c.

See also Novelties.

Portulaca □

Moss Rose For Hot, Dry Places

Portulaca makes a brilliant carpet for a sunny spot where a ground cover is needed. Flowers like little Roses. In sowing, mix the seed with many times its bulk in dry sand. Sow in May, when the ground is thoroughly warmed. Easily transplanted. Fine for ground covers after bulbs have died down.

Culture: A, D, Page 67



4455 PORTULACA. Double Best Mixed. 15c.

Large Flowering Single

4400 White. **4410 Pink.**

4405 Yellow. **4420 Scarlet.**

Each of the above, pkt., 10c; any 3 pkts., 25c

4425 Giant Parana. The flowers are fully twice as large as others; of dazzling reddish-purple. Pkt., 10c.

4430 Single Mixed. 1 oz., \$2.00; ¼ oz., 65c; pkt., 10c.

Large Flowering Double

A certain amount will produce single flowers.

4435 White. New pure white. **4441 Salmon.**

4438 Golden Yellow. **4443 Scarlet.**

4440 Pink. **4444 Sulphur Yellow.**

Each of the above, pkt., 15c; 2 pkts. for 25c.

4445 Scarlet Glow. Exceedingly brilliant orange scarlet large flowering variety. Pkt., 25c.

4455 Double Best Mixture. Extra selected true double. 1 oz., \$3.50; ¼ oz., \$1.00; ¼ oz., 60c; pkt., 15c.

One woman wrote they made a thing of beauty in their yard by sowing seed of Moss roses in the pockets of a partly rotted tree stump



4370 POPPY Shirley Vaughan's Special Mixture. Pkt., 10c.

Important Poppy Announcement

On advice from the Federal Narcotic Authorities, we are not listing the Peony Flowered, Carnation Flowered and Cardinal Type, and Tall Single and Double Annual Poppies.

Shirley Poppies

Culture: A, Page 67

Sow them early—since they defy frosts—and where they are to bloom, as they dislike transplanting. They flower in a few weeks from seed. Successive sowings should be made to provide continuous flowering. Mix the seeds with sand to scatter them, and thin out to 8 inches apart.

(SILK OR GHOST)

These have beautiful satiny flowers of various colors, all with white centers. Foliage is hairy and finely cut.

- 4277 **American Legion.** A dazzling orange-scarlet of enormous size. ¼ oz., 25c; pkt., 10c.
- 4278 **Blue Shirley.** 20 in. Various blue shades. Pkt., 10c.
- 4296 **Dazzler.** All double orange scarlet. Pkt., 10c.
- 4238 **Double Begonia Flowered Sweet Briar.** Sweet Briar is a delightful shade of deep rose-pink. The blossoms are full double. Pkt., 10c.
- 4239 **Double Begonia Flowered Mixed.** The flowers resemble the double tuberous rooted Begonias in form, and contain an assortment of lovely light shades. Pkt., 10c.
- 4368 **Double Shirley Ryburgh Hybrids.** Beautiful double satiny flowers in shades of white, pink and old rose with white center. Pkt., 10c.
- 4295 **Eldorado Salmon Shades.** 2 ft. Pkt., 10c.
- 4280 **Wild Rose Shirley.** 20 in. Shades of rose and pink. Pkt., 10c.
- 4281 **White Shirley.** White flowers are very popular, they neutralize the effect of the brighter colors in a garden. Pkt., 10c.
- 4370 **Vaughan's Special Mixture of Shirley Poppies.** Lovely and dainty shades, many edged and shaded with other colors. 1 oz., 40c; ½ oz., 25c; pkt., 10c.

Single Annual Poppies

- 4245 **Flanders Poppy.** 30 in. Vivid scarlet-red. This flower has in the minds of men been associated for over two hundred years with the battlefields of Flanders. Sow with Centaurea Cyanus Blue Boy. 1 oz., 40c; ½ oz., 25c; pkt., 10c.

ANNUALS FOR ROCK GARDENS FOR SUMMER COLOR

Culture: A or B, Page 67

- 4574 **Rock Garden Annuals, Vaughan's Special Mixture.** A carefully prepared mixture of low growing, many colored, free flowering annuals, which will supply color in your rock garden all summer. ¼ oz., 50c; pkt., 25c.

Salvias

Culture: D or E, A or B, Page 67

The brilliant scarlet Salvia Splendens, so highly valued in summer beds, borders, window boxes and flower pots, is by no means the only worthy member of this family. The tall pale lavender Salvia Farinacea Blue Bedder is increasingly popular in summer borders and Blue Beard is an excellent border foreground subject.

Splendens Type

- 4640 **America, or Globe of Fire.** 16 in. Freest and most continuous bloomer; also the most uniform in habit, which makes it particularly valuable for bedding or ribbon planting. Pkt., 25c.
- 4655 **Clara Bedman or Bonfire.** 2 ft. The spikes grow erect above the foliage forming handsome globular bushes. ½ oz., 75c; pkt., 25c.
- 4662 **Harbinger.** The plants are dwarf and compact and dark foliage is very effective against the vivid scarlet of the flowers; seeded indoors in February, will begin to flower in June and maintain a blaze of color until frost. ½ oz., 90c; pkt., 25c.
- 4653 **Fire Charm.** Very dwarf early red. Pkt., 25c.
- 4665 **Indian Purple.** 18 in. This is a true purple-violet. See page 16 for colored illustration. Pkt., 25c.
- 4671 **Splendens.** The well known popular scarlet sage. ¼ oz., \$1.00; pkt., 20c.
- 4675 **Mixed.** All red varieties. Pkt., 10c.



4683 SALVIA Farinacea Blue Bedder (in Background). Pkt., 20c.
5770 VINCA White (in Foreground). Pkt., 10c.

- 4683 **Farinacea Blue Bedder.** 2½-3 ft. An improved selection of the lovely blue Farinacea, sturdier in growth, with a deeper blue coloring. A true Wedgewood blue. It makes a splendid background for all other colors in the border, and can be dried as an Everlasting. Is especially handsome when grown behind a line of pink Petunias or used as a cutflower with Marigold Yellow Supreme. Pkt., 20c.

Other Salvias

Culture: A or B, D or E, Page 67

- 4679 **Blue Beard.** Grows 1 ft. high. Its blue-purple heads produce a fine effect in beds and borders and are prized for cutting. Pkt., 10c.
 - 4680 **Coccinea.** 2 ft. Comes quickly enough to grow from seed, and in the position where it is to bloom. This is of more slender growth than Splendens, of a red that suggests coral. Pkt., 10c.
- See also Novelty and Perennial Pages.

Saponaria (Soapwort)

Culture: A or B, D or E, Page 67

- 4693 **Vaccaria Alba.** White.
- 4691 **—Rose.** 2 ft. Light graceful sprays of glistening pink flowers, somewhat like a "glorified" Gypsophila, produced in profusion.
- 4692 **—Mixed.** Each of the above, pkt., 10c.



4640 SALVIA SPLENDENS America. Pkt., 25c.

Ricinus (Castor Bean) □

Culture: A or B, D or E, Page 67

- Giant, strong growing plants, with ornamental foliage.
- 4547 **Borboniensis Arboreus.** 15 ft. Immense plants with green foliage. Oz., 20c; pkt., 10c.
 - 4555 **Sanguineus.** 7 ft. Whole plant reddish purple, very effective. Oz., 20c; pkt., 10c.
 - 4570 **Mixed.** Many sorts. 1 oz., 20c; pkt., 10c.
 - 4565 **Zanzibar Enormis.** 1 oz., 30c; pkt., 10c.
 - 4560 **Zanzibar Mixed.** 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2¼ to 4 ft. across. Each plant a perfect pyramid. Oz., 25c; pkt., 10c.

SOWING FINE FLOWER SEEDS

One garden enthusiast mixes her fine seeds, such as Petunia, Poppy, etc., with ten times their bulk of dry sand, puts them into a salt shaker and sifts them over the beds or borders firming them with a board. A very practical idea. Try it!

Rudbeckia

Culture: A or B, D or E, Page 67

- 4581 **Indian Maid.** 4 in. flowers, pronounced crown, rich brown center and golden tips. Some few semi-double or double rows of petals. Sown March 1, bloomed in 3½ months. Like spokes of wheel without rim. The brown in petals is a little over half way out on petals. Vigorous habit. Excellent for cutting. 30 in. Pkt., 25c.
- 8465 **Herbstwald Autumn Tints.** 2 ft. A perennial which blooms the first year from seed sown in March, furnishes starflowers of fiery autumn coloring called "Gerberas of the North." Pkt., 25c.
- 8467 **Double Kelvedon Star.** A double and semi-double form of Kelvedon Star. The lively shades golden yellow and mahogany are very attractive. Pkt., 20c.
- 4582 **My Joy.** Giant Black-eyed Susans. Flowers very large, some over five inches in diameter, of an orange-yellow with rather small cone. Pkt., 15c. See Novelties.



4581 RUDBECKIA Annual Indian Maid. Pkt., 25c.

Scabiosa (Mourning Bride) □

Culture: A or B, D or E, Page 67

One of the most important annuals for cut flowers. Blooms on long, slender stems, which are exceedingly graceful; known as the Pincushion Flower because the stamens of some varieties are light in color and stick out so that they resemble pins stuck in a cushion.

COCKADE TYPE, 3 Ft.

Has conical form with attractive depth of flower.

- 4703 **Blue Cockade.** Pure deep azure.
 4704 **Rose Cockade.** Bright rosy lilac.
 4706 **Royal Cockade.** Salvia blue.
 4707 **White Cockade.** A dazzling white.
 4708 **Monarch Mixed.** All the above.
 Each of above, pkt., 20c; 3 pkts. for 50c.

DOUBLE LARGE FLOWERING, 3 Ft. SPECIAL STRAIN

- 4715 **Azure Fairy.** Azure blue.
 4727 **Loveliness.** Salmon rose shades.
 4736 **Orchid Shades.**
 4729 **Peachblossom.** Peachblossom pink.
 4732 **Rosette.** Deep rose suffused salmon.
 4734 **Salmon Beauty.** Pure salmon.
 4728 **Shasta Improved.** Enormous white.
 Each of above, pkt., 15c; 3 pkts. for 40c.
 4737 **Vaughan's Mixture of Super Scabiosa.** The above and other charming varieties. Pkt., 25c.
 4731 **Blue Moon.** See novelties.

STANDARD DOUBLE VARIETIES 2½ Ft.

- 4725 **Black Prince.** Black purple.
 4720 **Cherry Red.** Crimson.
 4742 **Coral Rose.** Rich pink.
 4700 **Golden Yellow.** Sulphur yellow.
 4710 **Fiery Scarlet.**
 4735 **Pompadour.** Black purple, white tips.
 4730 **Rose.** Bright rose.
 Each of above, pkt., 10c; 3 pkts. for 25c.

- 4743 **Dwarf Double Mixed.** 1½ ft. Various colors. Do not require staking and are desirable for planting in front of the taller sorts. ½ oz., 25c; pkt., 10c.
 See also Perennial Pages.

4740 **SCABIOSA** Vaughan's Special Mixture. Many new colors have been purchased for this and we are sure the delicate and soft colors will be admired by all our friends who plant a packet of this seed. ½ oz., 25c; pkt. 10c



4737 VAUGHAN'S Mixture of Super Scabiosa. Pkt., 25c.

Salpiglossis

Culture: A or B, Page 67

ONE of the easiest of annuals to grow, the Salpiglossis is rich in deep color tones rare in the floral world, which are set off by veins of gold, marking every flower. Sow in the full sun in fairly rich soil as early as possible, and preferably in the place where it is to grow, to avoid transplanting. Do not over-water, but keep "on the dry side." Its blossoms, similar in shape to a Petunia, on strong stems are borne profusely until frosts kill the plants. 30 inches.

- 4611 **Blue and Gold.** 4595 **Faust.** Black.
 4590 **Bright Crimson.** 4610 **Golden Yellow.**
 4591 **Brown and Gold.** 4598 **Purple.**
 4592 **Chamois.** 4599 **Purple and Gold.**
 4600 **Rose and Gold.** 4605 **Velvety Violet.**
 4613 **Scarlet and Gold.** 4616 **White and Gold.**
 4614 **Velvety Red.** 4617 **Violet and Gold.**
 4601 **Rose Crimson and Gold.** Definitely a new color in Salpiglossis of English origin. The rich colored blooms are half again as large as the ordinary type.
 Each of the above, pkt., 10c; any 3 pkts., for 25c.



4630 SALPIGLOSSIS Vaughan's Special Mixture. Pkt., 15c.

SALPIGLOSSIS—Continued

- 4625 **Emperor Mixed.** Large improved strain. Complete range of colors. ½ oz., 25c; pkt., 10c.
 4615 **Gloxiniaflora Mixed.** A special selection of the Painted Tube Tongue made by a French hybridizer. Flowers large and fancifully veined in contrasting colors. Pkt., 10c.

4630 **Vaughan's Special Mixture.** This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. ½ oz., 25c; pkt., 15c.

"I want to tell you the Salpiglossis I bought from you this spring is wonderful. Beautiful colors, large blooms, masses of them on sturdy, branching plants. I am delighted with them. Everyone in our Garden Club here pronounces them the finest they ever saw."
 Mrs. O. M. G., California

Schizanthus

Butterfly Flower or Poorman's Orchid □

Culture: A or B, D or E, Page 67

Beautiful bushy plants covered with dainty flowers handsomely marked with contrasting colors.

- 4754 **Pansy Flowered (Danbury Park strain).** Large blooms of Pansy shape, in rich pink, crimson, mauve, purple and white. Pkt., 35c.
 4755 **Dr. Badger's Hybrids.** An extraordinary strain in many beautiful colors. Pkt., 25c.
 4759 **Retusus Rosamunde.** Large flowers of upright growth, which make good cut flower material. Delicately rose-spotted. Pkt., 10c.
 4762 **Retusus Mixed.** Pkt., 10c.
 4757 **Vaughan's Excelsior Hybrids.** A choice strain with very large flowers with handsome markings on white, buff, brilliant rose, blue and purple ground. Finest yet offered. Pkt., 25c.

Statice □

Culture: D or E, Page 67

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, and is indispensable in making winter bouquets.

- 4800 **Bonduelli Superba.** 3 ft. Producing numerous heads of bright yellow flowers. Pkt., 10c.
 4793 **Puberula.** 4-6 in. Flowers 5 months after sowing; magnificent dark violet blooms. Pkt., 25c.
 4795 **Russian (Suworowii or Rat Tail).** 30 in. Flowers bright rose color. ¼ oz., 25c; pkt., 10c.
 4801 **Sinuata Rosea Superba.** 3 ft. Pkt., 10c.
 4802 **Sinuata Chamois.** Pale violet, yellow center. Pkt., 10c.
 4806 **New Hybrids.** One of our growers has selected Art Shades, which we offer in a mixture for the garden and winter bouquets. Pkt., 15c.
 4803 **True Blue (Kampf's improved).** Pkt., 15c.
 4804 **Pure White.** 3 ft. Pkt., 10c.
 4805 **Mixed.** 3 ft. Pkt., 10c.



4757 SCHIZANTHUS Vaughan's Excelsior Hybrids. Pkt., 25c.

Scarlet Runner Emperor □

Culture: A, D or E, Page 67

- 4766 A stunning annual climber with sprays of brilliant red flowers like pea blossoms. The pods are edible. Good for screens and covering arbors and fences. Good Snap Bean. Pkt., 10c.



4795 RUSSIAN STATICE. Pkt., 10c.

10 Best Early Spencer Sweet Peas for 75c.

Collection No. 5600. One Packet each of varieties illustrated (catalog value \$1.00), prepaid for 75c.

Varieties at left of illustration, top to bottom, are: Daphne, Mrs. Herbert Hoover, Redwood, Jeanne Mamitsch, Sequoia; at right, top to bottom, Laddie Improved, Ball Orange, White Champion, Elk's Purple, Lavender Harmony.

Culture: D or E, Page 67

A RACE of Sweet Peas, having the large waved flowers of the Spencer type but flowering fully one month earlier, and for a much longer period. This class is recommended for all sections where spring is late, as they give flowers before the summer heat arrives. ★Varieties preceded by star are fragrant.

THREE NEW EARLY FLOWERING VARIETIES □

- 5370 **Dawn.** Glowing deep chamois pink.
 - 5417 **Geranium.** Warm salmon cerise.
 - 5482 **Magic.** Delicate mauve or rosy lavender.
Each of above, pkt., 25c; 3 pkts. for 65c.
- Any of the packets below, 10c each; 3 packets for 25c.
- 5343 **American Beauty.** Crimson-rose on white.
 - 5345 ★**Amethyst.** Royal purple.
 - 5346 **Apollo.** Soft salmon cerise.
 - 5353 **Bacchus.** Rich red maroon.
 - 5349 **Ball Orange Improved.**
 - 5354 ★**Blue Bird.** Violet-blue.
 - 5350 **Blue Boy.** Clear blue.
 - 5352 **Boon.** Deep salmon-pink.
 - 5347 **Bridesmaid.** Silvery pink.
 - 5348 **Burpee's White.**
 - 5360 **Calvacade.** Rich golden cerise.
 - 5361 **Celestial.** Soft warm shade of cerise and salmon rose.
 - 5369 **Delicious.** Crushed strawberry.
 - 5367 **Daphne.** Soft salmon-pink on cream ground.
 - 5399 **Eileen.** Begonia rose with salmon shading.
 - 5403 **Elk's Purple.** Purple.
 - 5411 ★**Fragrance.** Large frilled lavender.
 - 5415 ★**Gardenia.** Fragrant white.
 - 5416 ★**Giant Rose.** Extremely large rose-pink.
 - 5430 **Grenadier.** Dazzling scarlet.
 - 5438 ★**Harmony.** Lavender.
 - 5439 **Hiawatha.** Deep rose self.
 - 5466 **Jeanne Mamitsch.** Striking pink.
 - 5453 **Josie.** Brilliant rose-pink.
 - 5470 ★**Laddie Improved.** Light rose-pink.
 - 5488 **Mrs. Calvin Coolidge.** Rich salmon-pink.
 - 5495 ★**Mrs. Herbert Hoover.** Clear deep blue.
 - 5501 **Oriental.** Deep cream, black seeded.
 - 5506 **Peerness.** Rose cerise.
 - 5522 **Redwood.** Bright rich crimson.
 - 5529 **Sequoia.** Rich golden salmon-cerise.
 - 5528 **Shirley Temple.** Soft rose-pink.
 - 5540 ★**Snowstorm Improved.** Large pure white.
 - 5548 **Tahoe.** Large wavy flowers, chicory blue.
 - 5550 **Top Hat.** Deep purple blue.
 - 5552 **Triumph.** Lovely soft lilac mauve.
 - 5554 **Twilight.** Medium clear lavender, large flowered and long stemmed.
 - 5553 **Treasure Island.** A sparkling golden orange.
 - 5555 **Valencia.** Bright orange, sun-proof.
 - 5556 **Vivian Zvolanek.** Deep rose.
 - 5557 ★**Vogue.** Rosy lavender.
 - 5558 **Vulcan.** Vivid scarlet, sun-proof.
 - 5560 **White Champion.** Long stemmed, pure white flowers.
 - 5561 ★**White Harmony.**
- Inoculate Sweet Peas with Nitragin. Two garden sizes, 10c and 25c.
For PERENNIAL SWEET PEAS—See Lathyrus Latifolius. See Novelties.

5595 **Vaughan's Special Mixture, Early Flowering Spencers.** All the varieties listed and many others. 4 oz., \$1.50; 2 oz., 90c; oz., 50c; pkt., 15c.

5320 **Vaughan's Special Mixture, Late Spencer.** Named late flowering Spencer varieties growing wonderful blossoms for a long period ¼ lb., 60c; oz., 25c; pkt., 10c.



Runnerless Strawberries

4828 Baron Solemacher. This wonderful novelty has the largest berries in this strain. It makes no runners; flowers in eight weeks and produces quantities of fruit. Wash the berries, sprinkle with sugar several hours before using. The berries will almost float in juice. This brings out the flavor. Pkt., 25c; 3 for 65c.

4829 Baron Solemacher. Yellow Fruited. A counterpart of the above but golden and of even finer flavor. Pkt., 25c.

4828 **STRAWBERRY Red Baron Solemacher.** Pkt., 25c.





4865 STOCKS, Best Mixed. Pkt., 10c.

Tahoka Daisy □ 20 in.

Culture: A or B, D or E, Page 67

5635 A beautiful lavender-blue Daisy with fern-like foliage. Carried on good long stems, the flowers are tinted with rose as they fade, center deep yellow. Under open ground culture the plants are in bloom by middle of June and flower until October. Excellent for cutting. To get an even and quick germination, keep seed in refrigerator two weeks. Pkt., 25c.



5635 TAHOKA Daisy. Pkt., 25c.

Silene □ 1 ft.

Culture: A or B, Page 67

Free flowering annuals, make brilliant early show.

- 4776 Dwarf Double Salmon Rose. Pkt., 15c.
- 4777 Dwarf Double Triumph Crimson. Pkt., 15c.
- 4775 Armeria Mixed. 1 ft. (Catchfly) 10c.

Sanvitalia □ 6 in.
Creeping Miniature Zinnia

Culture: A or B, D or E, Page 67

4690 Procumbens. Like tiny Zinnias, golden with purple centers, single and double. The plants creep over the soil. June until frost. 1/8 oz., 25c; pkt., 10c.

Golden Flower of the Incas

TITHONIA □ 8 ft.

Culture: D or E, Page 67

5641 Speciosa, Early Flowering Fireball. The flowers resemble a giant single Zinnia of a vivid orange-scarlet; borne on huge bushes with woody stems, and large leaves with velvet bloom. From seed started in March plants in full sun will blossom in late August. Desirable as background in roomy borders. Pkt., 25c.

5642 Avalon Earliest. The blossoms range from orange topaz through tangerine. Sow where the plants are to stand, after the soil is warm. By mid-July the plants will be in bloom. Pkt., 25c

Stocks □

Culture: A or B, D or E, Page 67

STURDY flower spikes covered with rosette blossoms in soft colors of an exceptional tone range. Stocks require a rich soil of a sandy, well manured loam. Only 60 per cent will come double. Sow seed early, in the house and transplant outside when all danger of frost is over. Stocks are a cool temperature crop and sometimes disappoint us during the summer months.

Dwarf German—Ten Weeks, 12 in.

- 4845 Blood Red. 4850 Light Blue.
 - 4835 Canary Yellow. 4841 Rose Pink.
 - 4856 Dark Blue. 4830 White.
- Each of the above, pkt., 10c; any 3 pkts. for 25c.
4865 Best Mixed. 1/8 oz., 50c; pkt., 10c.

Column—Non Branching

An excellent new class producing one stem 2 1/2 ft. thickly set with large, double flowers. The first flowers appear when the plant is about 14 inches high

- 4951 Chamois Pink. 4956 Silvery Lilac.
 - 4961 Yellow Wonder. Best yellow.
 - 4954 Light Blue. 4957 White.
 - 4955 Ruby. 4958 Mixed.
 - 4953 Moonlight. Light yellow.
- Price, each of the above, pkt., (150 seeds) 25c.

4952 Double Giant Column Gardenia. Shimmering, glistening white, the flowers are the purest snow white of any stock variety yet introduced. Producing only one flower spike to a plant, this spike will however be of enormous size, 12" to 15" of florets and nearly 3 feet in length, and 4" or even 4 1/2" in depth, with the individual florets closely and compactly placed on the stem. Pkt., 50c.

Bismarck or Giant Imperial

If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes with long and thick flower stalks. The best variety for greenhouse use. 2 1/2 ft.

- 4921 Buttercup. Yellow. 4946 Chamois.
 - 4945 Blood Red. 4931 Dark Blue.
 - 4944 Elk's Pride. Royal Purple
 - 4947 Flesh. 4930 Lilac.
 - 4948 Golden Rose. 4929 Old Rose.
 - 4932 Lavender. 4925 Shasta. White.
- Price, each of the above, pkt., 15c.
4949 Bismarck Mixed. 1/8 oz., 50c; pkt., 15c.

THRIFT.—See Armeria in perennial page.

Texas Queen Anne's Lace □

Culture: A or B, Page 67

5638 Large heads of tiny white flowers of lace-like appearance. Resembles Queen Anne's Lace of our roadsides, but more refined. Grows 3 to 5 ft. tall. Pkt., 10c.



5815 VIRGINIA STOCK Mixed. Pkt., 10c.

Virginia Stock □ 6 in.

Culture: D or E, Page 67

5815 Mixed. Sown early these pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors in edgings and beds producing a charming effect, very fragrant. 1/2 oz., 15c; pkt., 10c.



5645 TORENIA Fournieri. Pkt., 15c.

Torenia (Wishbone Flower) □

Culture: D or E, A or B, Page 67

In the 1940 drought Torenias were among the comparatively few subjects which grew with vigor and flowered freely through the hottest, driest period in our trials. Grown in Southern states instead of Pansies.

- 5651 Bailonii. Yellow, brown markings. Pkt., 15c.
- 5645 Fournieri. Bushy globular plants literally covered with the lovely, richly-colored Snapdragon-like flowers of a delightful sky-blue with a touch of gold on the lip. Likes partial shade. Excellent for rock gardens, pots and hanging baskets. Pkt., 15c.
- 5650 White Wings. White with rose throat. Pkt., 15c.



5658A VENIDIUM Fastuosum Hybrids. Pkt., 25c.

Venidium □

Culture: D or E, Page 67

- 5659 Calendulaceum. 14 in. A bushy plant with large, orange daisy-like flowers. The fine silver-greyish foliage adds to its beauty. Grows on dry side without fertilizer. Pkt., 15c.
- 5658 Fastuosum. 2 to 3 ft. Above the greyish silky foliage rise numerous orange flowers marked with a purple-black zone averaging four to five inches across. Treat as a half-hardy annual, sowing in March or April, as germination is difficult earlier. Plant in sunny position. Pkt., 25c.
- 5658A Fastuosum Hybrids. 2-3 ft. A new race with colors from pure white through ivory, yellow and buff, set off by glistening black centers with maroon markings at base of petals. Pkt., 25c.

Thunbergia (Golden Glory Vine)

Culture: D or E, A or B, Page 67 □ 5 ft.

Germination 3-4 Weeks.

- 5640 Alata, Mixed (Black-Eyed Susan). A lovely plant with large showy flowers. Forming a dense mat of foliage and flowers. Colors range through yellow, orange, buff, to pure white, mostly with jet-black centers, or eyes. 1/4 oz., 30c; pkt., 10c.
- 5639 Gibsoni. Glistening green ivy foliage and flowers of glowing orange. Pkt. (15 seeds) 35c.

Annual Sunflowers

HELIANTHUS Large Flowered □

Culture: A or B, D or E, Page 67

- 2700 **Gaillardia-flowered or Red Sunflower.** 4 to 8 ft. Some flowers of a rich chestnut-red, others tipped with yellow and others slightly washed with red. Pkt., 10c.
- 2707 **Californicus.** 5 ft. Double dark yellow. Pkt., 10c.
- 2709 **Chrysanthemum Flowered Double.** 6 ft. Golden yellow flowers. Pkt., 10c.
- 2710 **Extra Dwarf Chrysanthemum Flowered Select.** Plants make stout spreading growth and bear many golden-yellow double flowers measuring 4 to 5 inches across. Comes true. Pkt., 15c.
- 2703 **Maroon Prince.** Single best red. Pkt., 15c.
- 2715 **Double Mixed.** Pkt., 10c.
- 2725 **Russian Mammoth.** 8 ft. Single, of gigantic dimensions. The Kansas Sunflower. 1 oz., 10c.

Miniature-Flowered

- 2727 **Cucumerifolius Orion.** 5 ft. Charming small flowers, rich yellow, black center. Pkt., 10c.
- 2740 **—Purpureus.** Red and yellow tones. Pkt., 10c.
- 2755 **—Vaughan's Special Mixture.** Includes all the cucumerifolius sorts. Pkt., 10c.

2760 **Vaughan's Special Mixture.** Of all the single and double Sunflowers we list and several varieties we buy especially for this mixture. $\frac{1}{2}$ oz., 25c; pkt., 10c.

Trachelium □ 1 to 3 ft.

Culture: D or E, Page 67

- 5656 **Coeruleum.** Large cloud like heads of tiny flowers resembling the Gypsophila produced in the fall from spring-sown seeds. Heliotrope blue in color, borne freely on branching stems, the flowers can be increased by pinching back the stems, making a fine pot plant. Pkt., 25c.
- 5655 **TRITOMA Hybrida Mirabilis (Red Hot Poker Plant).** A perennial that blooms the first year. Pkt., 15c.



5775 **VINCA ROSEA Mixed.** Pkt., 10c.

Vinca Rosea (Periwinkle) □

Culture: D or E, Page 67

- Ornamental free-blooming plants, with dark Laurel-like foliage and handsome pink and white flowers. Seed germinates slowly but if sown early plants will bloom the first summer. They can be taken up in the fall, potted, and kept in bloom for the winter. 1 ft.
- 5770 **White.** 5772 **White with Eye.**
 - 5771 **Delicata.** Soft pink. 5773 **Pink.**
 - 5774 **Kermesina.** Bright red, dark green leaves with red stems.

Each of the above, pkt., 10c.

5775 **Mixed.** Pkt., 10c.

See Novelties

Vivid Verbenas □

Culture: D or E, A or B, Page 67

These are colorful annuals for some sunny spot in the border. In bloom continuously. They make gay bouquets for table decorations. Do not sow the seed outdoors until the soil gets warm (May 15th to June 1st). May also be started earlier indoors to advantage. Grows only 6 to 12 inches tall but spreads to 2 feet across.



5730 **VERBENA Vaughan's Best Mixture.** Pkt., 15c.

HYBRIDA Gigantea 1 ft.

A magnificent strain of Verbenas, of robust habit, the individual florets measuring an inch in diameter.

- 5701 **Gigantea Alba.** Pure white. Very fragrant.
- 5721 **—Annapolis Blue.** A giant bearing large trusses of flowers of light to mid-blue blending in effect of deep Belladonna blue. Pkt., 25c.
- 5699 **—Appleblossom.** Delicate cameo pink.
- 5700A **—Brilliant.** Rich deep flame rose with white eye. Pkt., 25c.
- 5702 **—Cerise Queen.** Salmon cerise.
- 5722 **—Crimson Glow.** A pure glowing crimson. Pkt., 25c.
- 5701A **—Etna.** Geranium-red, with a cream eye.
- 5718 **—Lavender Glory.** A true lavender with a medium-sized creamy white eye. The color runs about 80% true. It is also distinctly fragrant.
- 5703 **—Lucifer.** Vivid scarlet self.
- 5704 **—Luminosa.** Luminous flame-pink to salmon.
- 5709 **—Miss Willmott.** Salmon-rose, white eye
- 5705 **—Rose Cardinal.** Rose, white eye
- 5706 **—Rosea Stellata.** Pink, white eye.
- 5719 **—Royale.** Royal blue, creamy yellow eye.
- 5710 **—Spectrum Red.** Intense bright red.
- 5720 **—Spitfire Giant.** A strong scarlet rose self, showing only a trace of an eye. The liveliest color in this group. Pkt., 25c.
- 5717 **—Sutton's Giant Pink.** Salmon-pink, light eye.
- 5707 **—Violacea Stellata.** Deep violet, white eye.

Each of the above, except when noted otherwise, pkt., 15c; any 3 15c. pkts. for 35c.

- 5708 **Gigantea Mixed.** A wonderful mixture of large flowering varieties. Pkt., 15c.
- 5711 **Beauty of Oxford Hybrids.** A beautiful giant strain. Color shades from clear rose-pink to rose-red, making this the brightest rose Verbena ever produced from seed. Florets easily cover a silver half dollar. Pkt., 15c.
- 5712 **Floradale Beauty.** Beauty of Oxford type of rose shades, salmon-rose predominating. Pkt., 15c.
- 5713 **Royal Bouquet, Finest Mixed.** Upright, large flowers, auricula eyed, brilliant mixed, especially good for pot culture. Pkt., 15c

5729 Red, White and Blue Mixture

A mixture of large flowered Verbenas in red, white and blue are carefully blended in equal proportions. The effect is not only patriotic, but artistic. Pkt., 15c

5730 **VERBENA Vaughan's Best Mixture.** Includes all the Hybrida and Gigantea sorts and other sorts not listed and we feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout the summer. $\frac{1}{8}$ oz., 50c; large pkt., 25c; pkt., 15c

Dwarf Compact Varieties—6 in.

This group is compact in habit, continuous bloomers, adapted for bedding, borders and small gardens.

- 5748 **Blue Sentinel.** Rich navy blue. Pkt., 25c.
- 5733 **Dark Blue.**
- 5735 **Fireball.** 5740 **White.**
- 5744 **Red Sentinel.** Upright habit. Intense bright red without an eye. Like Spectrum Red in the giant class. Pkt., 25c.
- 5745 **Carmine Ball.** Ten inches high and 12 inches across, completely covered with bright carmine flowers.
- 5747 **Splendor.** Very compact, scarlet with white eye.
- 5742 **Violet Bouquet.** Deep violet with cream eye.

Each of the above, except when noted otherwise, pkt., 15c; any 3 15c. pkts. for 40c.

5746 VERBENA Vaughan's Special Dwarf Mixture.

A formula mixture of named varieties of compact dwarf varieties of all colors, giving a brilliant effect in mass planting. Excellent for front yard and formal plantings. $\frac{1}{8}$ oz., 60c; large pkt., 25c; pkt., 15c

Various Verbenas

Culture: D, E or C, Page 67

- 5755 **Erinoides.** 12 in. Moss-like foliage spreads over the ground like a carpet, purplish-blue blossoms in lavish profusion. Blooms until frost. Pkt., 10c.
- 5760 **Erinoides Alba.** 12 in. Same as above but with white flower heads. Pkt., 10c.
- 5751 **Fern Leaved (Bipinnatifida).** Entirely new form. Plants grow 18 inches, spread over two square feet, with ferny, feathery gray-green foliage; covered by clusters of lavender-blue flowers, resembling sprays of lilac Candytuft. Pkt., 25c.
- 5765 **Venosa.** 1 ft. Largely used for bedding; covered with bright rosy heliotrope flowers. Sow in March in clear sand for quick germination. Blooms until frost, hardy with protection. An interesting combination when used with Marigold Harmony. Pkt., 10c.
- 5766 **—Lilacina.** 1 ft. Resembles Venosa, but with blossoms of lavender-blue. Hardy with protection. Pkt., 25c.
- 8566A **Bonariensis.** ① The plants attain a height of about 4 feet and produce masses of rosy-violet flowers. We have raised this from seed and have found it comes quite true. We recommend this Verbena as a grand addition for the back of the herbaceous border. Pkt., 15c.
- 5750 **Lemon-Scented.** An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens. Pkt., 25c.

Lace Verbena (Zaluzianskya Villosa) □

Culture: A or B, D or E, Page 67

- 2973 Individual florets grow about $\frac{1}{2}$ inch across and are so shaped as to resemble a snow crystal; most interesting and unusual. They are of a pleasing lavender color distinctly set off by a star-like spot of orange at the center. Low spreading plants 8 inches high. Long blooming season. Pkt., 20c.

Free Flowering Violas

Culture: A or B, Page 67

BECAUSE of their free flowering habit and long season of bloom, Violas are becoming rapidly more popular for use in the foreground of the border, in small beds, and in rockeries, where their dwarf spreading habit is welcomed. They continue flowering all summer.



- 5813 VIOLA Vaughan's Special Mixed. 25c.
- 5806 VIOLA White Perfection. Pkt., 10c.
- 5790 VIOLA Blue Perfection. Pkt., 10c.
- 5804 VIOLA Chantreyland. Pkt., 25c.
- 5810 VIOLA Primrose Perfection. Pkt., 25c.

CORNUTA HYBRIDS (Large Flowers)

- 5786 Apricot. Beautiful rich apricot shade, tinged orange towards the center. Pkt., 25c.
- 5787 Arkwright Ruby. Bright ruby crimson shaded terra-cotta; fragrant. Pkt., 25c.
- 5788 Black Prince. 8 in. Velvety black. Pkt., 10c.
- 5789 Blue Butterfly. Vivid mid-blue shading to white in the upper petals. Pkt., 25c.
- 5798 Lutea Splendens. 8 in. Bright yellow. 10c.

5813 VIOLA Vaughan's Special Mixture. A charming and delightful mixture of these bright and everblooming Violas in a complete color range, shading from pale lavender to rich purple-black, yellow, white, terra-cotta, apricot and rose. Pkt. 25c

See Complete Index, on Final Pages, to Find Items Quickly.



5852 XERANTHEMUM Superbissima. Pkt., 20c.

CORNUTA TYPE

- 5785 **Admiration.** Violet-blue. Pkt., 10c.
- 5790 **Blue Perfection.** Light blue. Pkt., 10c.
- 5804 **Chantreyland.** Apricot, very free flowering. Pkt., 25c.
- 5791 **Golden Orange.** Rich shade. Pkt., 15c.
- 5794 **G. Wermig, White.** Pkt., 25c.
- 5809 **Ilona.** Wine red. Pkt., 25c.
- 5796 **Jersey Gem.** Flowers of rich pure violet, large and fragrant, flowering persistently all summer. Pkt., 25c.
- 5800 **Papilio Blue and White.** Flowers soft lavender-purple, lower petals flushed white. Pkt., 10c.
- 5810 **Primrose Perfection.** Beautiful shade of primrose, fine form. Pkt., 25c.
- 5802 **Puck.** Upper petals purple-velvet, lower clear yellow. Pkt., 15c.
- 5806 **White Perfection.** Finest white. Pkt., 10c.
- 5795 **Nosegay.** A blend of bright gay colors, red, yellow, blue and apricot, combined with many blotched combinations. Pkt., 25c.

Miscellaneous Violas

- 5797 **Johnny-Jump-Up or Viola Tricolor.** Also known as "Ladies' Delight" and "None so Pretty" of our grandmother's garden. It is a precious possession even if we have to weed out the plants when they get too ambitious and crowd out more delicate kinds. They are more hardy than their relative the Violas and if allowed to seed will carpet a rose or iris bed with a mass of flowers early in May. They bloom all season. Purple, blue and yellow are the three colors that give them their name and the combinations are variable—sometimes there will be a yellow blossom and below it on the same stalk one of yellow and blue. Pkt., 25c.
- 5792 **Gracilis—Lord Nelson.** 6 in. Glowing violet purple. Pkt., 25c.

Wild Cucumber =

Culture: A or B, D or E, Page 67

- 5847 Quickest growing climber on our list. It is thickly dotted over with white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. Sown on banks it will act as soil binder. If sown along a wire fence the vines will soon cover it and the dainty white flowers will make it a lovely sight for a long time. 1 oz., 25c; ½ oz., 15c; pkt., 10c.

Xeranthemum (Everlasting) 2 ft.

Culture: D or E, Page 67

- 5852 **Superbissima.** One of the loveliest of the everlastings, with flowers which retain their brilliant colors remarkably well when dried, this double pompon flowered Xeranthemum may also be used as a cut flower when fresh. It makes delightful arrangements in small bowls. Pkt., 20c.
- 6175 **ZEA Japonica Quadricolor Perfecta (Rainbow Corn).** Striped and colored foliage small ears, dark colors. Pkt., 10c.

Covering for Graves

If seeds are used, the most satisfactory is Ageratum Blue Cap Improved in center, edged with Alyssum Little Gem. Or, Portulaca, in center, either in separate colors or mixed, edged as above with Alyssum Little Gem. All of these will do well with very little care or attention and are particularly good in sunny locations.

ANNUALS FOR FRAGRANCE

Alyssum	Mignonette	Petunia
Candytuft	Nasturtium (Gleam)	Scabiosa
Carnation		Stocks
Heliotrope	Nicotiana	Sweet Pea
	Wallflower	



5778 VISCARIA Mixed. Pkt., 10c.

Viscaria

Culture: D or E, Page 67

Very showy and effective garden annual, producing freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting.

- 5776 **Blue Bouquet.** 1 ft. Large blue. Pkt., 10c.
- 5782 **Blue Pearl.** This is a distinct variety, differing from all other blue Viscarias, and entirely without an "eye." It is a pure lavender blue, the flowers borne in abundance. Pkt., 10c.
- 5784 **Dwarf Fiery Red.** A very showy and effective dwarf garden annual producing freely throughout the summer, large single bright red flowers. Pkt., 15c.
- 5778 **Mixed.** 1 ft. ¼ oz., 25c; pkt., 10c.
- 5779 **Dwarf Mixed.** 8 in. Pkt., 10c.

Wallflower (Goldlack) ÷ 18 in.

Culture: D or E, Page 67

Wallflowers excel in adaptability for pot culture and out-door bedding and their fragrance and oriental coloring, rich reds and yellows. In the Northern states they should be wintered in coldframes.

- 5820 **Single Mixed.** Pkt., 10c.
- 5825 **—Annual Blood-Red.** Pkt., 10c.
- 5824 **—Goliath.** Shining red with a velvety black sheen. Pkt., 10c.
- 5830 **—Annual Golden Gem.** Pkt., 10c.
- 5835 **—Annual Mixed.** Pkt., 10c.
- 5840 **Double Mixed.** Pkt., 15c.
- 5832 **Annual Double.** A fine pot plant, will bloom first year from seed, if sown early. Pkt., 15c.

Annual Everlastings

For Winter Bouquets

Culture: A, B, D or E, Page 67

- 150 **Acroclinium Roseum.** Double. 2 ft., 10c.
- 295 **Ammobium Alatum Grand.** Pkt., 10c.
- 2525 **Gomphrena.** Mixed, all colors. Pkt., 10c.
- 4683 **Salvia Farinacea Blue Bedder.** Pkt., 20c.
- 4795 **Stalice Russian (Suworowii).** Pkt., 10c.
- 4800 **—Bonduellii Superba.** Yellow. Pkt., 10c.
- 4801 **—Sinuata Rosea Superba.** Pkt., 10c.
- 4803 **—Kampf's Improved True Blue.** Pkt., 15c.
- 5852 **Xeranthemum Superbissimum Double Mixed.** Pkt., 20c.
- 2440 **Everlastings Mixed.** 1 to 2 ft. A mixture of all varieties we list. Pkt., 10c.

Vaughan's Wick-Fed Seed Starter

Petunia seeds need an early start indoors; and this can be given successfully in a sunparlor or living room window, by using Vaughan's Wick-Fed Seed Starter. (See Index). It embodies the latest scientific methods, and does away with dirt and dampness.

Small and Medium Flowered Zinnias □



6126 ZINNIAS Vaughan's Mixture of Midget. Pkt., 15c.

6126 Vaughan's Mixture of Midget Zinnias. Includes all the fifteen varieties illustrated and others; all delightful, charming in the garden and of just the size to make attractive table arrangements. Many your friends will never recognize as Zinnias. Easy to grow and always covered with bloom. Pkt., 15c; ¼ oz., 50c.

Cupid Type. 1 ft.

Compact plants of bushy habit. Each upright stem bears a flower 1 in. in diameter. Ideal for cutting and for use in miniature vases.

- 6020 **Tiny Tim.** Scarlet. 6021 **Pixie.** Yellow.
- 6022 **Snowdrop.** Pure clear white; good mixer. Each of the above, pkt., 15c; 3 pkts. for 40c.
- 6025 **Cupid Mixed.** ¼ oz., 35c; pkt., 10c.

6173 Vaughan's Novelty Mixture. All the new forms of the Zinnia, such as the Fantasy, Navajo, Striped and others. We recommend it to all interested in novelties. Pkt., 25c; 3 pkts., 65c.

6127 Linearis. 10 in. The flowers, with a single row of petals, are one and one-fourth inches in diameter; at first each golden orange petal carried a greenish stripe down the center and a greenish tip, but as the flower developed, the green turned to light yellow, making a pleasing contrast with the orange of the outer portions. The quarter-inch orange center cushion turned dark as the flower developed. Early flowering. Pkt., 15c.



6127 ZINNIA Linearis. Pkt., 15c.

Culture: A or B, D or E, Page 67
THEY bloom in much greater profusion than the larger types, standing well out above the foliage and registering as a color mass in the picture. They are also excellent for pot plants and cut flowers.



6071 ZINNIA Lilliput Black Ruby. Pkt., 10c.

Pompon (Lilliput) or Baby Zinnias

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers. They bloom all summer. 12 to 15 in.

- 6071 **Black Ruby.** Rich deep maroon.
- 6052 **Bright Pink.** 6064 **Purple.**
- 6073 **Canary Yellow.** 6065 **Salmon Rose Gem.**
- 6061 **Crimson Gem.** 6066 **Scarlet Gem.**
- 6062 **Golden Gem.** 6067 **White Gem.**
- 6068 **Rose Bud.** Rose-pink.
- 6069 **Valencia.** A real deep burnt orange.

Each of the above, pkt., 10c; 3 pkts. for 25c.

- 6075 **Lilliput Vaughan's Special Mixed.** All above and others. Oz., \$1.00; ¼ oz., 30c; pkt., 10c.
- 6070 **Lilliput Pastel Mixture.** 15 in. A carefully chosen mixture of pastel tints of yellow, pink, rose and orchid. They flower in 45 days. Pkt., 15c.

6125 Mexicana Fl. Pl. Hybrids. 16 in. Double flowers in various shades of brown and orange. 10c.

6115 Mexicana or Miniature. Flowers small and showy, Daisy-like in form, range in color from yellow to mahogany red, free flowering. Excellent for decorative bowl arrangements. Pkt., 10c.



6105 ZINNIA Pumila Double Mixed. Pkt., 10c.

Pumila Double 18 in.

"Cut and Come Again"

On bushy plants 18 inches tall, fully double flowers are borne in abundance. The flowers average two inches across, and are held above the foliage on stout stems. They make fine border plants, registering color well, or excellent plants for large pots and tubs. They are also fine cut flowers.

- 6080 **Snow Ball.** 6095 **Fire Ball.**

6085 **Golden Ball.**

6097 **Pinkie.** Rose-pink. Plant this with 180 *Ageratum Tall Blue* for a charming effect.

6098 **Spun Gold.** A delicate butter-yellow or deep primrose, fine form.

6100 **Watermelon Pink.** A very pleasing and charming shade of salmon-rose.

Each of above, pkt., 10c; any 3 pkts., 25c.

6105 **Pumila Vaughan's Special Mixed.** Oz., 75c; ¼ oz., 25c; pkt., 10c.

A Favorite Border Plant

6110 Red Riding-Hood. 1 ft. Of compact form, covered the entire season with double scarlet flowers not over an inch across; as a border plant it is highly effective. A customer writes: "Just imagine clumps of little red flowers, with maybe a hundred blooms. They have been in flower all summer through the heat and drought. They make buds as soon as they get started and keep merrily on their way." Oz., \$1.00; ¼ oz., 30c; pkt., 10c.



6110 ZINNIA Red Riding Hood. Pkt., 10c.



5908 ZINNIA, Fantasy Mixed. Pkt., 15c.

Fantasy Shaggy Type

2 ½ ft. Shaggy ray-like petals, like Cactus Dahlia.

- 5912 **Orange Lady.** Bright deep orange.
 5911 **Rosalie.** Intense rose.
 5909 **Star Dust.** Deep golden yellow.
 5913 **White Light.** Pure white.
 5914 **Wildfire.** Rich dazzling scarlet.
 Each of the above, Pkt., 15c; 2 pkts. for 25c.
 5908 **Mixed.** A bright colorful mixture of shaggy petaled double flowers. Pkt., 15c; ¼ oz., 50c.



6159 ZINNIA, Scabiosa Flowered Mixed. Pkt., 15c.

New Crested Type

Scabiosa Flowered or Harmony 2 ½ ft.

- 6159 **Mixed.** On a single corona of outside petals stands a crown of small florets similar in form to the flowers of the Scabiosa. Pkt., 15c; 3 pkts., 40c; ¼ oz., 60c.
 6160 **Autumn Tints Mixed.** This strain comes true in all the gorgeous autumn tints, including orange to terra-cotta. Pkt., 15c.
 6159A **Campfire.** Vivid intense scarlet. Pkt., 15c.
 6160A **Sunburst.** Bright canary yellow. Pkt., 15c.

Giant Picotee

- 6157 **Giant Picotee Mixed.** A distinct class with double flowers in orange, flesh, lemon, pink and cerise, each petal tipped with darker shades. Pkt., 15c.

Giants of New Race

5891 Zinnia David

Burpee. 4 ft. This is a distinct strain of giant flowers, which is full of surprises, all of a pleasant nature. While giant flowers of the shaggy Fantasy type are most numerous, other forms are frequent; and colors include cream, chamois, buff, rose, burnt-orange, terra-cotta, apricot and some two-toned. All are interesting, some exciting; a "surprise garden mixture" all by itself. Plants grow vigorously and flowers have long, wiry stems. Pkt., 15c.

5891A Mrs. Brewster's Giant Zinnia.

4 ft. Similar to above. Pkt., 15c.



5891 ZINNIA, Giant David Burpee. Pkt., 15c.

6172 ZINNIA, Navajo Mixed. Pkt., 15c.
18 in. Flowers abundant, of medium size, scarlet, orange and other hues suggesting Navajo Indian decorations. Pkt., 15c.

5896 ZINNIA, Fiesta. Pkt., 25c.

Medium flowers are striped red and yellow, suggesting the colors of the Spanish flag so popular in Mexican Fiesta decorations. A gay variety for a sunny planting. Pkt., 25c.

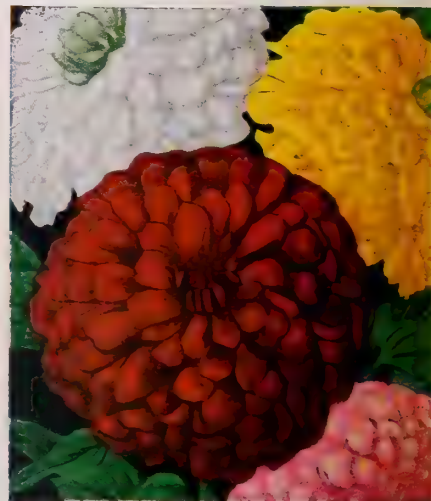
Colossal or Giant 3 ft.

- | | |
|--------------------------------|---------------------------|
| 5926 Blood Red. | 5960 Pink Shades. |
| 5935 Buttercup. | 5943 Rose Queen. |
| 5930 Cream or Isabella. | 5990 Royal Purple. |
| 5977 Crimson. | 5944 Salmon Rose. |
| 5965 Golden Yellow. | 5980 Scarlet. |
| 5978 Lavender. | 5985 Violet. |
| 5975 Orange. | 5925 White. |

Each of the above, pkt., 10c; any 3 pkts. for 25c.

6015 Vaughan's Colossal Zinnias, Mixed.

Pkt., 10c; ¼ oz., 30c; oz., \$1.00.



6015 ZINNIA, Vaughan's Colossal Mixed. Pkt., 10c.

5901 Super Crown of Gold Pastel Tints.

Strictly a mixture of pastel tints and contains a wide color range including soft yellow, old gold, light pink, apricot pink, various salmon shades, peach, and buff, lively cerise salmon as well as pure white and cream. All the flowers carry the deep golden yellow base of the Crown of Gold types and the individual color at the tip. Midway between Dahlia Flowered and California Giants as to type. Pkt., 25c.

Collection of Six Packets Giant Zinnias for 50c.

6 PACKETS, CATALOG VALUE 90c. All Dahlia flowered. One each of **Crimson Monarch**, **Dream**, **Polar Bear**, **Illumination**, **Old Gold** and **Eldorado** prepaid. **50c**

Zinnias are heat loving plants and seed should not be sown until the ground and atmospheric conditions are warm. If grown in a sunny spot in well fertilized soil and watered freely, the flowers will be more completely double.

Giant Dahlia Flowered Zinnias 2 to 3 ft. *Culture: A or B, D or E, Page 67*

The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other, the flowers often 4 inches in depth and 6 inches in diameter, resembling Show Dahlias.

- 6131 **Canary Bird.** A delicate shade of primrose.
- 6133 **Crimson Monarch.** Rich crimson, largest and best of red shades.
- 6131A **Crown of Gold Desert Gold.** The bicolor effect of deep golden-yellow at the base of each petal, contrasted with light or deeper gold at the tip
- 6134 **Dream.** A fine, deep lavender, turning to purple (Mallow Purple).
- 6134A **Eldorado.** Salmon apricot.
- 6135 **Exquisite.** Color light rose with center a deep rose
- 6135A **Giant Attraction.** Brick red.
- 6137 **Golden Dawn.** Beautiful shade of golden-yellow with red center.
- 6136 **Golden State.** A very rich orange-yellow. Yellow in the bud, turning to an attractive orange when in full bloom.
- 6130 **Illumination.** Similar to Exquisite, but a striking self-color of deep rose.
- 6128 **Lemon Beauty.** Lemon yellow turning to russet.
- 6130A **Luminosa.** Bright deep pink.
- 6142 **Meteor.** A rich glowing deep red, darkest of all red shades.
- 6129 **Old Gold.** Glowing burnished deep and lighter shades of old gold.
- 6129A **Old Rose.** Real old rose shade.
- 6138 **Oriole.** An immense orange and gold bicolor.
- 6139 **Polar Bear.** A very large pure white, the best white.
- 6139A **Purple Prince.** Deep purple.
- 6140 **Scarlet Flame.** A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. This is not a bicolor.

Each of above Any four pkts., 50c; pkt., 15c

California Giant Zinnias 3 to 4 ft.

They are larger than Colossal and a cross between them and the Dahlia Flowered types. They have smaller flat centers with more loosely placed petals. The petals are decidedly imbricated and the flower graceful.

- 6161 **Brightness.** A bright, deep rose.
 - 6164 **Cherry Queen.** Beautiful orange rose.
 - 6161A **Daffodil.** Bright canary yellow, so resembling Narcissus King Alfred in color, the name Daffodil is most appropriate.
 - 6162 **Enchantress.** Giant flowers of light rose pink, early.
 - 6146 **Grenadier.** A very dark red.
 - 6147 **Lavender Gem.** A good clear lavender.
 - 6150 **Lemon Queen.** The petals are light canary on the upper and cerise on the lower side. It is the only Zinnia with fragrance and of exceptional size.
 - 6163 **Miss Willmott.** Soft pink.
 - 6151 **Orange King.** Rich, deep orange.
 - 6167 **Pink Profusion.** Delicate shrimp pink.
 - 6153 **Purity.** A clean pure white.
 - 6166 **Rose Queen.** Warm, deep rose, outstanding.
 - 6154 **Salmon Queen.** Salmon rose.
 - 6165 **Scarlet Queen.** Glowing scarlet.
 - 6149 **Violet Queen.** Deep purple.
- Each of the above, pkt., 15c; any 4 pkts. for 50c.
- 6156 **California Giants Vaughan's Special Mixed.** Oz., \$1.50; ¼ oz., 50c; pkt., 15c.

6150 FRAGRANT ZINNIA Lemon Queen. Pkt., 15c.



Eldorado, the Experts' Favorite

6134A **Eldorado.** In the opinion of the geneticists who spend their lives breeding better flowers, this is the finest of all dahlia flowered giants, in size, trueness to type, and uniformity of season and habit. Pkt., 15c.

OLD ROSE

5892 All Giant Indian Summer

Mixed. Only the bright warm colors of the Dahlia flowered and California Giants are included in this mixture. The colors are scarlet, orange, yellow, white, cherry and salmon-rose; as rich and mellow as a maple grove in autumn. Pkt., 25c.



CRIMSON MONARCH

DREAM

6145 **Giant Dahlia Flowered, Gold Medal Mixed.** All the above and others, including a bewildering variety of delightful colors, all giant flowers. A very charming and delightful surprise will result if you plant this. Oz., \$1.50; ¼ oz., 50c; pkt. 15c

6170 **Vaughan's Special Mixture** of all Giant sorts including the cream of the Dahlia Flowered; Colossal, California Giants and Picotee mixed. Producing a mass of color. Oz., \$1.50; ¼ oz., 50c; pkt. 25c

Perennial Flower Seeds and Plants

For Additional Perennial Seeds and Plants See Also Pages 57 to 66 Inclusive, and Back Cover.

NOTE—All plants are F. O. B. our Greenhouses, Western Springs, Illinois. Postage must be added to cover cost of transportation at rates noted on page 57 or else they will be sent express at buyer's expense.

Dainty Columbines ①

Culture: B, C, D or E, Page 67

ONE of the best-known and best-loved perennials. Dwarf varieties for the rock-garden, tall varieties for the border and for cutting. They are easily grown from seed, prefer light shade, and thrive in any fairly rich soil. These plants covered with dancing, quivering blossoms, add grace and airiness to any garden.

7151 Dobbie's Imperial Hybrids. A strain with large, long-spurred flowers in strong, brilliant tones of all colors. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.00.

7150 Mrs. Scott Elliott's Strain of Long-Spurred Hybrids. The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc., with soft pastel tones dominating. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.00.

7119 X Alpina. Powder blue. 2 ft. April-July. Pkt., 15c.

7121 California Hybrids. 3 ft. Long spurred, dark carmine-lake. Pkt., 20c.

7120 Canadensis (American Columbine). 1 to 2 ft. May-July. Handsome scarlet and orange flowers. Pkt., 10c.

7125 Chrysantha. 3 to 4 ft. May-August. Yellow, long spurred. Pkt., 15c.

7126 —Silver Queen. 3 ft. Long spurred silvery white flowers. Pkt., 25c.

7131 Clematiflora Choice Mixed. A hybrid of the Scott Elliott Strain practically spurless. It has up to 15 flowers at the same time. Pkt. (60 seeds), 50c.

7140 Coerulea (Rocky Mountain Columbine). 1 to 2 ft. April-July. One of the most beautiful of native flowers. Sepals, deep blue; petals, white. Pkt., 10c.

7141 —Mrs. Nicholls. This is a glorified Rocky Mountain Columbine with larger flowers, long spurs, and strong habit. Pkt., 50c.

7145 —Rosea (Rose Queen). 2½ ft. Light to dark rose, white center. Pkt., 25c.

7142 Colorado Rainbow Hybrids. Including blue, yellow, white, lavender, orchid, purple, three shades of red, all pink, pink and white, red and white and red and yellow, all in the native Columbine. Pkt., 25c.

7148 Flabellata Nana Alba. A charming dwarf variety for the rock garden; perfect foliage and ivory-white flowers, plant 8 to 10 inches high. Pkt., 25c.

7143 Longissima. A beautiful American species having 4 inch spurs on flowers of a delicate pale yellow. One of the most attractive. Pkt. (50 seeds), 50c.

7144 Longissima Hybrids. A new race obtained by crossing Mrs. Scott Elliott's with Longissima. These new Hybrids contain all the beautiful hues, in red, blue, white, rose, etc., of the former, spurs nearly as long as in the Longissima type and broader petals. They are harder and more lasting. Pkt., 50c. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.



7190 AQUILEGIA. Vaughan's Special Mixture. Pkt., 25c.

7158 Long-Spurred Blue. Splendid selection from light to dark blue. Pkt., 35c.

7156 Long-Spurred Crimson Star. The brightest red Columbine, long spurs and outer petals rich crimson, center petals white. Three-inch flowers on 2-foot stems. Comes true, flowers second year. Pkt., 25c. Plants, 3 for \$1.25; doz., \$3.75.

7157 Long-Spurred Copper Queen. Lovely deep copper with long spurs of deeper hue, while the inside of the corolla is buff. The guard petals are unusually broad, and the flowers gracefully poised. Pkt., 50c.

7159 Long-Spurred Orange and Scarlet. Many unusual tones. Pkt., 35c.

7165 Skinneri (Mexican Columbine). 2 to 3 ft. June-August. Scarlet and yellow. Pkt., 15c.

7190 Aquilegia Vaughan's Special Mixture.

Includes all the varieties mentioned and new varieties not offered elsewhere and will furnish a complete collection including the Long Spurred, and the Non-Spurred types, the tall and dwarf sorts. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.00.



7496 COREOPSIS Double. Pkt., 15c. Plants, 3 for 85c.

7496 Coreopsis Double Flowering (Grandiflora Fl. Pl. Special Selection). A well fixed double and semi-double strain, vigorous and free flowering. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

Seed Germinates Slowly and Irregularly

of the following varieties and seed bed should be prepared where it will be undisturbed for a year or more.

Aconitum, Adonis Vernalis, Anemone, Clematis, Cimicifuga, Delphinium Cardinale, Delphinium Zalii, Delphinium Nudicaule, Dictamnus, Dielytra, Gentiana Acaulis, Incarvillea, Iris, Peony, Phlox Decussata, Hardy Primulas, Trollius.

Coreopsis ①

Culture: B, D or E, Page 67

A useful and attractive perennial, both for border and cut flowers. They are of easy culture, and flower in profusion throughout the summer.

7495 Lanceolata Grandiflora. 2 ft. June-October. Large orange-yellow flowers on long graceful stems. Will flower the first year if sown early. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7494 Mayfield Giants. Australian origin. It produces a taller and more vigorous plant with longer and firmer stems and larger individual blooms of which the ray petals are broader. Pkt., 20c.

7493 Double Sunburst. The flowers are double, 1½ to 2 inches across, excellent for cutting, as the flowers are fine keepers and the plants easy to grow. Comes about 80% double. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.



7719 DICENTRA Spectabilis. Pkt., 35c. Plants, 3 for \$1.50.

Dicentra (Dielytra) ① (Bleeding Heart or Seal Flower)

Culture: B or C, Page 67

Best sown in fall; needs freezing to germinate.

7718 Eximia (Plumy Bleeding Heart). Dwarf; reddish purple. May and June. 12 in. Pkt., 25c.

7719 Spectabilis. Its long racemes of graceful heart-shaped pink flowers are always attractive. Is perfectly at home in any part of the hardy border, especially in the shade. Pkt., 35c. Plants, 3 for \$1.50; doz., \$4.50.



7270 CAMPANULA Calycanthema (Cup and Saucer) Mixed. Pkt., 10c. Plants, 3 for 85c.

Campanulas

Culture: B, D or E, Page 67

This brilliant family includes the biennials, as well as a number of true perennials, varying in height from dainty rock garden subjects 8 inches tall to the stately Pyramidalis and Persicifolia types which reach 6 feet. While large growing types demand rich soil, there are no flowers more thrifty or adaptable than the small and medium sized Campanulas.

Canterbury Bells

The Canterbury Bells are biennials, that is from seed sown one year, the plants will bloom the following year and the plant then dies. To keep up a yearly display they should be sown annually.

- 7325 Double Pink. 7330 Double Mixed.
- 7315 Double White. 7320 Double Blue.
- 7300 Single Blue. Plants, 3 for 85c; doz., \$2.50.
- 7301 Single Lilac.
- 7305 Single Pink. Plants, 3 for 85c; doz., \$2.50.
- 7295 Single White. June. Plants, 3 for 85c; doz., \$2.50.
- 7310 Single Mixed Colors. Plants, 3 for 85c; doz., \$2.50.

Each of the above, pkt., 10c.

CUP AND SAUCER

- 7270 Calycanthema Mixed. Plants, 3 for 85c; doz., \$2.50. 2 ft. June-Aug.
- 7275 —White. Plants, 3 for 85c; doz., \$2.50.
- 7280 —Pink. Plants, 3 for 85c; doz., \$2.50.
- 7285 —Blue. Plants, 3 for 85c; doz., \$2.50.
- 7284 —Lilac. Each of above, pkt., 10c.

No shipments of Canterbury Bell Plants after May 10.

Perennial Campanulas

Seed sown one year, plants will bloom the next and for several years following, increasing in size each year.

- 7260 X Carpatica (Harebell) Blue. 9 in. June to Aug. Forms tufts of neat foliage above which are borne cup shaped, upright blooms of a glistening light violet-blue, freely produced. Splendid for edging. Likes partial shade. Pkt., 10c. Plants, 3 for \$1.25; doz., \$3.75; 100, \$25.00.
- 7265 X —Alba. 9 in. July. Pure white. Pkt., 10c. Plants, 3 for \$1.25; doz., \$3.75; 100, \$25.00.
- 7266 X Cullinmore. A lovely hybrid form of dwarf-growing species, more prolific than Carpatica. Various shades of blue flowers all summer. For edging or rock garden. Pkt., 25c.
- 7334 X Fragilis, The Basket Campanula (Blue Star of Bethlehem). Is of prostrate trailing habit and has large pale blue flowers. It likes a well drained position with as little moisture as possible. If sown early blooms the first year. Half hardy. 25c.
- 7331 X Garganica. Beautiful star-shaped sky blue flowers fairly cover the trailing plants, excellent for rock gardens. Pkt., 15c.
- 7335 Lactiflora Coerulea. Broad-leaved, 2½-3 ft. July. Light blue. Pkt., 15c.

PERENNIAL CAMPANULAS—Continued

- 7344 Persicifolia (Peach Bells). Blue. 2-3 ft. June-July. Fine border plant. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.
- 7345 —Alba. White. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.
- 7350 Persicifolia, Mixed. Blue and white. Pkt., 25c.
- 7346 —Telham Beauty. 4 ft. It produces on long stems very large globular open flowers of a lovely china-blue with silvery shading. Pkt., 25c. Plants, 3 for \$1.25; doz., \$3.75; 100, \$25.00.
- 7347A —Wedgewood. Large flowers of deep violet blue, good in full sun or partial shade. Pkt., 35c.
- 7355 Pyramidalis (Chimney Bellflower). Blue. 5-6 ft. August-Sept. Pkt., 10c.
- 7365 —Mixed. Pkt., 10c.
- 7354 Punctata. 28 in. Plants form rambling foliage mats from which arise flower stalks of varying height from which hang big, pendant bells not unlike a Foxglove, which are waxen without, downy within. Colors range from translucent creamy pink, through lilac to purple. Pkt., 20c.
- 7366 X Rotundifolia (Blue Bells of Scotland). 6-12 in. Matted foliage, slender, branching stems, covered with dainty frail blue flowers. Blooms generously in July and again in fall. Pkt., 15c.
- 7370 Vaughan's Special Mixture of Campanulas. A grand assortment of all varieties. Fine for cut flowers. Pkt., 25c.



7310 CAMPANULA (Canterbury Bells) Single Mixed. Pkt., 10c. Plants, 3 for 85c.

Dianthus Barbatatus ①

Single Sweet William

Culture: B, D or E, Page 67

Among the early hardy plants, they are outstanding. They appreciate rich soil. To be sure of large plants and flowers sow new seed each year. 18-24 inches. May-June.

- 7670 Atro-sanguineus. Blood-red. Pkt., 10c.
- 7645 Diadematus. Crimson, white eye. Pkt., 10c.
- 7646 Giant White. Large white flowers. Pkt., 15c. Homeland. See Novelty Pages.
- 7655 Nigrescens. Dark foliage and flower. Pkt., 10c.
- 7660 Newport Pink. Salmon-pink. Pkt., 10c.
- 7661 Purple Beauty. Bright deep purple. Pkt., 10c.
- 7635 Scarlet Beauty. Vivid orange or salmon scarlet. Pkt., 15c.
- 7685 Single Giant-Flowered Mixed. Pkt., 10c.

Double Varieties

Seedlings of all double Sweet William produce about 40% of single blooming plants.

- 7690 White. 7703 Nigrescens (Black).
- 7695 Rose. 7698 Salmon Rose.
- 7700 Blood-Red. 7705 Mixed.

Each of above, pkt., 10c.



7715 SWEET WILLIAM Vaughan's Special Mixture of Double and Single Varieties.

A Mixture of all listed and others. Pkt., 25c; Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

TESTIMONIAL

February 17, 1941

"Had a packet of Petunia Vaughan's Special Double Mixed last year and they were very pretty."

Mrs. A. E. S. Alexandria, Minn.



7775 DIGITALIS Vaughan's Special Mixture. Pkt., 15c. Plants, 3 for 85c; Doz., \$2.50.

Foxgloves (Digitalis)

Culture: B, D or E, Page 67

These are biennials and should be sown very early in the spring so plants will be large enough to flower the following year. They should be wintered in a cold frame where sub-zero temperatures are common and always in a well drained place, as their crowns remain green all winter. Their tall spires of brilliant color are among the border's most conspicuous ornaments.

- 7730 Gloxiniaeflora White. Flowers shaped and spotted like gloxinias. 2-4 ft. June-July. Pkt., 10c.
- 7735 —Pink. 10c. Plants, 3 for 85c; doz., \$2.50.
- 7740 —Purple. Pkt., 10c.
- 7736 —Isabellina. 5 ft. A very striking variety, producing yellow flowers which gradually develop a chamois or buff shade. Pkt., 25c.
- 7745 —Mixed Colors. Pkt., 10c.
- 7768 —The Shirley Hybrids. 6 to 7 ft. The flower-heads are over 3 ft. long, covered with big bell-shaped blossoms from white and shell-pink to deepest rose. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7760 Monstroza Mixed. Long spikes surmounted by one enormous flower. Pkt., 10c.
- 7770 Orientalis. Blossoms of silvery down, on cream, all overlaid with an even netting of chestnut brown. An odd and attractive species. An enduring perennial. Pkt., 25c.
- 7750 Grandiflora or Ambigua. 2 to 3 ft. June-July. Yellowish flowers marked with brown. A true perennial. Pkt., 10c.
- 7769 Lutzii Hybrida. 4 ft. The spikes are strong and heavily laden with salmon-rose bells. Pkt., 20c.
- 7775 Vaughan's Special Mixture of Digitalis. The above, and other colors. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

Plants not shipped after May 10th.

Hardy Delphiniums ①

Culture: B, D or E, Page 67

Modern hybrid Delphiniums have become the dominant flowers in the perennial border of late June. In deep, rich soil, they grow six feet tall or more, with huge spikes of large flowers, varying in colors from the darkest violet to pale lavender. Lower growing types are also valuable for both border and cut flower use; the Chinese and Butterfly types are fine for bedding. With hybrids, plants established several years produce the best flowers. If the bloom is cut down to the ground, a second flowering spike is produced.

NOTE—A teaspoonful of sugar in the water will delay shattering of cut Delphiniums two or three days.

Taller Species and Hybrids

- 7549 Belladonna. Blue Grotto.** Deep blue, bee royal purple with cream center. Pkt., 15c
- 7550 —Improved Cliveden Beauty.** 2 ft. June-July. Exquisite turquoise blue. These and *Thermopsis Carolina* (Yellow) are charming when combined in bouquets. Pkt. 20c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7552 Bellamosum Improved.** Large deep blue flowers, uniform in color, with a white bee. Blooms 2½ inches across. Pkt., 25c. Plants, 3 for 85c.
- 7564 Blackmore and Langdon Strain.** All the clear shades of blue, with bees of contrasting colors. Pkt., 50c.
- 7547 Cardinale.** "Scarlet Larkspur," a native California species with long spikes of scarlet flowers, seed germinates slowly. 2-3 ft. Pkt., 25c.
- Chinese.** See page 33.
- 7555 Indigo (True Blue).** 3 ft. Pure indigo-blue, comes true from seed. Pkt., 35c.
- 7542 Lamartine.** It makes a sturdy, vigorous, healthy plant five feet tall which blooms from June until frost. The flowers are a rich, deep blue with a pure white eye. We have seen flower spikes of these gorgeous flowers over two feet in length. Perfectly hardy, easy to grow and succeeds everywhere. Seeds, pkt., 25c. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.
- 7555A Nudicaule.** 1-1½ ft. April-July. Dwarf brilliant scarlet flowers. Seed very slow of germination. Pkt., 25c.
- Pacific Hybrids.** See Novelty page in color.

- 7569 Wrexham Hollyhock-Flowered Strain, Mixed.** Giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor, 1½ to 2 inches in diameter, many double.
- 7569D Wrexham Art Shades.** Includes many pastel shades.
- 7569B —Light Blue Shades.** Each of above, pkt., 50c
- 7569A —Deep Blue Shades.** Each of above, pkt., 50c
- Plants: Mixed only, 3 for \$1.00; doz., \$3.00; 100, \$20.00.

- 7570 Vaughan's Gold Medal Hybrids.** This strain is especially grown for us, the seed being saved from selected plants. Many of them are double flowered, and range in color from pale lavender to indigo-blue. Pkt., 25c.

- 7571 DELPHINIUM Vaughan's Special Mixture.** This contains the *Elatum* varieties, both double and single, the Butterfly, Chinese and all the other various kinds Pkt., 35c



7569 DELPHINIUM Wrexham Hollyhock-Flowered Strain, Mixed. Pkt., 50c. Plants, 3 for \$1.00, Doz., \$3.00; 100, \$20.00.

Hardy Pinks (Dianthus)

Culture: B, D or E, Page 67

In the rocky and in the border the *Dianthus* family is of value. Most of them grow easily from seed, thrive in ordinary soil which must contain some lime, and should be in a well-drained situation

- 7576 × Allwoodi Alpinus.** 6 in. Flower first year from seed. It has single and semi-double flowers in all *Dianthus* colors. Is a perfect gem for the rock garden. Pkt., 50c. Plants, 3 for 85c; doz., \$2.50.
- 7575 Allwoodi Mixed.** The flowers are about 75 percent double and all colors except yellow. The single flowers have the advantage of making large clusters. It is exceptionally hardy and flowers from early spring until fall. Pkt. (50 seeds), 25c.
- 7579 × Arenarius (Sand Pink).** 6 in. Flowers white, fringed, fragrant, forming a dense carpet. Pkt., 25c.
- 7578 × Atro-coccineus (Everblooming Sweet William) Cruentus.** 15-18 in. Crimson, semi to full double flowers. Pkt., 10c.
- 7579A Carthusianorum Giganteus.** The tallest *Dianthus* we know, established plants bearing clustered blossoms of crimson pink opening from varnished mahogany buds on stems fully 40 inches Pkt., 25c
- 7580 × Caesius (Cliff Pink).** 1 ft. Flowers delicate rose pink, fragrant. Pkt., 25c.
- 7580A Delight.** 9 in. It has a neat, erect habit of growth, continuously in flower from June until October, producing flowers about an inch in diameter, not in trusses, but in alternating spikes in great profusion. There is a bewildering range of colors from the palest pink to purple. Pkt., 35c
- 7582 × Deltoides Brilliant (Maiden Pink).** 8 in. Delicate pink blossom carried above fine, feathery foliage. Pkt., 25c
- 7580 —Major Stem.** A free-flowering form with bright crimson flowers and dark foliage. Pkt., 35c
- 7583 × Graniticus.** 4 in. Low growing, forming dense carpet covered with crimson flowers in May and June. Pkt., 25c



7625 DIANTHUS Plumarius Vaughan's Special Mixed. Pkt., 25c. Plants, 3 for 85c.

- 7581 Knappii.** A yellow "Hardy Pink," unusual color for this family. Clusters of clear golden yellow flowers above grassy green foliage. Pkt., 25c
- 7631 Loveliness.** The flowers have large lacinated petals of a most exquisite mauve-pink, with delightful fragrance. Pkt. (25 seeds), 25c
- 7589 Neglectus Rose Cushion.** From a little cushion of grey-green foliage in late May the flowers appear as if by magic. The color is pure pink, the flower about ¾ in. across and the plant about 3 to 4 in. tall. Pkt., 50c.

HARDY PINKS—Continued.

- 7587 Best Rock Garden Varieties, Mixed.** Rock gardens now so popular need the low growing *Dianthus* to brighten spots and fill in crevices with its attractive flowers. Pkt., 25c.
- 7592 Wintari.** The flowers are of pure colors; habit compact; flowers first year from seed; deliciously scented. Pkt., 50c.

CLOVE OR GRASS PINKS (Plumarius)

- Plumarius* is the old-fashioned, fragrant garden Pink. Fine for perennial border or rockwork.
- 7591 × Albus Plenus.** Double white. Pkt., 25c.
- 7620 × Double Mixed.** Fine for cutting. Pkt., 10c.
- 7585 Highland Hybrids.** Tall, strong stemmed pinks in varied colors beautifully marked and zoned. Pkt., 35c.
- 7595 × Little Jock Hybrids.** 6-8 in. Compact plants produce a multitude of fringed flowers, an inch across, in pink, rose and white, 50 percent double. Pkt., 35c.
- 7605 × Nanus Fl. Pl.** 1 ft. Double dwarf mixed. 15c.
- 7632 Scoticus Double Special Strain.** Self colors of various tints of pink, rose, salmon and white and the same colors in combination with a bright crimson zone. Stems 12 to 15 inches. Blooms 1½ to 2 inches. Free flowering. Pkt., 35c.
- 7609 × Spring Beauty.** Double giant-flowered Grass Pinks, Carnation-like in form and size and with a beautiful range of color. Very fragrant. Pkt., 25c.
- 7615 × Single Mixed.** Delicately fringed. Pkt., 10c.
- 7625 × Vaughan's Special Mixture.** A grand selection of Clove Pinks of the above *Plumarius* type and others. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



7812 **GAILLARDIA** Bur-gundy. Pkt., 25c. Plants, 3 for 85c.



7855 **GEUM** Mrs. Bradshaw. Pkt., 25c. Plants, 3 for 85c.



7930 **HESPERIS** Purpurea. Sweet Rocket. Pkt., 10c.



8090 **IRIS** Kaempferi. Pkt., 25c.

Gaillardias

Culture: B, D or E, Page 67

For cheerful long lasting garden color, Gaillardias are indispensable. Groupings of them here and there in front of shrubs will provide splashes of color for weeks and weeks. A rich light soil is essential and they require a sunny situation to do well.

- 7810 Grandiflora, Mixed.** Composite flowers variegated with shades of red and yellow. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7813 —Bremen.** 2 ft. Splendid coppery scarlet, yellow tips. Blooms all summer. Pkt., 15c.
- 7812 —Burgundy.** 2 ft. Shining wine-red flowers, 2½ in., from June until fall. Blooms same year, sown early. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.
- 7813A —Chloe.** A new shade of Indian yellow. Pkt., 25c.
- 7811 —Dazzler.** Large golden yellow flowers with rich maroon center. Pkt., 25c.
- 7817 —Goblin.** 12-15 in. First real dwarf, covered with showy deep red flowers yellow bordered. Flowers first year from seed. Pkt., 25c.
- 7836 —Portola Hybrids.** 2½-3 ft. The flowers are nearly 4 inches; brilliant scarlet intensified by golden yellow tip. Pkt., 25c.
- 7831 —Tangerine.** Compact grower. Large tangerine orange-colored flowers. Pkt., 25c.
- 7818 —The King.** Special strain with enormous flowers, deep red, edged gold. Pkt., 25c.
- 7835 —New Hybrids.** Large flowers in a variety of colors. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.
- Golden Goddess.** True golden yellow, 4 inches in diameter. Prolific bloomer with long stems. Fine for cutting. 3 for \$1.50; doz., \$4.50.

Geum

Culture: B or C, D or E, Page 67

Geums are showy, producing a wealth of attractive flowers much prized for cutting. Excellent for border.

- 7851 X Borisii.** An evergreen species with foliage rather prostrate and the branching flower stems 8 to 12 in. long. Orange scarlet flowers. Pkt., 25c.
- 7850 Coccineum Atrosanguineum Plenum.** 1½ ft. May-July. Double, bright scarlet. Pkt., 15c.
- 7852 Lady Stratheden (Golden Ball).** 2 ft. Flowers loosely double; a delightful shade of golden yellow. Pkt., 35c. Plants, 3 for 85c; doz., \$2.50.
- 7855 Mrs. Bradshaw.** 2 ft. The double orange-scarlet flowers are very large and full. June-Sept. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.
- 7853 Orange Queen.** 2 ft. Flowers large and semi-double, of a beautiful orange-scarlet. Pkt., 30c.
- 7854 Prince of Orange.** This is a true rich orange. Pkt., 25c.
- 7848 GILIA Coronopifolia (Ipomopsis Elegans Mixed) (Standing Cypress).** A biennial. Forms a low group of evergreen leaf plants the first year. The second it surprises one with its rapid growth and vivid scarlet flowers marching up its leathery green stem. Pkt., 15c.

Hesperis Matronalis

(Sweet Rocket—Evening Scented Stock)

Culture: B, D or E, Page 67

The fragrant flower-heads of these thrifty flowers, somewhat resembling perennial Phlox, make a fine display in the border, or in bits of woodland, for they endure light shade. 2 to 3 feet. June and July.

- 7930 Purpurea.** Lilac. Pkt., 10c.
7935 —Alba. White. 10c. **7936 —Mixed.** 10c.

Grow Iris From Seed
 Culture: A, B or C, Page 67

8090 Kaempferi (Japanese Iris). Japanese Irises grow easily from seed sown in either the spring or fall. Flowering plants are often produced the first year. They will thrive in well drained soil, but require plenty of water in the flowering season. Pool margins are a good location. Pkt., 25c.

8092 Siberian. This type of Iris resembles the Spanish and English Irises. It makes a bright show in the garden and is excellent for cutting. Seed from our own nursery. Pkt., 15c. For Iris plants see Page 105.

Dichotoma Seed. See Novelty Pages.



8015 **HOLLYHOCKS** Vaughan's Prize Double Mixture. Pkt., 10c. Plants, 3 for 85c.



HEUCHERA New Hybrids. Plants, 3 for \$1.25.

Hollyhocks

Culture: B, D or E, Page 67

Hollyhocks are most decorative and the great spikes of bloom are "Towers of Beauty" to the garden picture. Following Delphiniums in the border show, have a long season of bloom which can be prolonged by picking off faded flowers, and a second crop will come if the first stalks are cut back. Need well drained location.

Double Varieties

- | | |
|---|---------------------|
| 8001 Purple Robe. Deep purple. | |
| 7971 Colorado Sunset. | 7980 Rose. |
| 7995 Crimson. | 7990 Salmon. |
| 7972 Deep Salmon Red. | 7970 White. |
| 7975 Maroon. | 7992 Yellow. |
| 8004 Lilac Beauty. A clear bright lilac color. | |
| 8005 Newport Pink. The finest pure pink. | |
- Each of above, pkt., 10c.

Plants of **Crimson, Maroon, Salmon, Rose Pink, White and Yellow.**

3 for 85c; doz., \$2.50; 100, \$15.00.

- 8008 Begonia Flowered Imperator, Mixed.** Flowers with broad collar of frilled and fringed petals and double center rosette. Mixture containing many interesting, attractive combinations of colors. Pkt., 25c.
- 8015 Vaughan's Prize Double Mixture.** Finest shades in perfect flowers. Pkt., 10c; ¼ oz., 40c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 8010 Allegheny Mixed.** Flowers come single, semi-double and double, about 5 inches across, and are beautifully fringed. Pkt., 10c.
- 8016 Vaughan's Special Mixture.** This mixture is composed of all the best double varieties as well as two new French strains, not offered before. A most interesting combination. Pkt., 25c.
- 8018 Double Begonia Flowered Pastel Mixture.** Grows about 5 ft., flowers 5 inches across, with fringed edge. Pkt., 25c.
- 8007 Mixed "Souvenir de Madam Perrin."** Semi-double flowers, notched or toothed at the edge in lovely shades of yellow and pink. Pkt., 25c.

Single Varieties

More permanent and hardy than the double and if planted with a deep green background, such as arbovitae hedge, they afford a most striking effect.

- | | |
|---------------------|--------------------|
| 8045 White. | 8040 Rose. |
| 8051 Yellow. | 8020 Red. |
| 8050 Salmon. | 8030 Black. |
| 8025 Pink. | |

Each of the above, pkt., 10c

8055 Mixed. ¼ oz., 30c; 10c per pkt.

Heuchera (Coralbells)

Culture: B, D or E, Page 67

From a tuft of heart shaped leaves, graceful flower stalks rise, bearing flowers in clusters. Beautiful both in border and in rockery. See Novelty Pages.

- 7940 Sanguinea.** 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. Pkt., 25c. Plants, 3 for \$1.25; doz., \$3.75; 100, \$25.00.

—**New Hybrids.** All shades of red and coral pink. Large flowers and free flowering. Plants, 3 for \$1.25; doz., \$3.75; 100, \$25.00.

Plue de Feu. Compact growing variety, producing bright red flowers. An outstanding red. Plants, 3 for \$1.25; doz., \$3.75; 100, \$25.00.

Perennial Poppies

Culture: B, Page 67

ICELAND or Nudicaule

Cool moist soil is necessary, and light shade preferred. If faded flowers are picked off they blossom all summer, and they usually bloom the first year from seed. 12 inches.

- 8275 × Yellow. 8270 × Mixed.
 8282 × White. Each of above, 10c.
 8281 Yellow Wonder. Large flowers. Pkt., 25c.
 8290 × Double Mixed. Extra fine strain. Pkt., 15c.
 8292 Empress. 18-22 in. A companion to Emperor, even more nearly double, with delightful color range of salmon rose and pink tones. Pkt., 25c.
 8288 × Gibson's New Giant Orange. Fine deep orange. Pkt., 20c.
 8286 × Sunbeams Mixed. This is a cross between the Shirley and Nudicaule types. The flowers are charming shades of orange, salmon, and other tints. Pkt., 25c.

Gartford—See Novelties.

- 8279 Vaughan's Special Iceland Poppy Mixture. We have included in this all the newer varieties and older forms. Pkt., 25c.

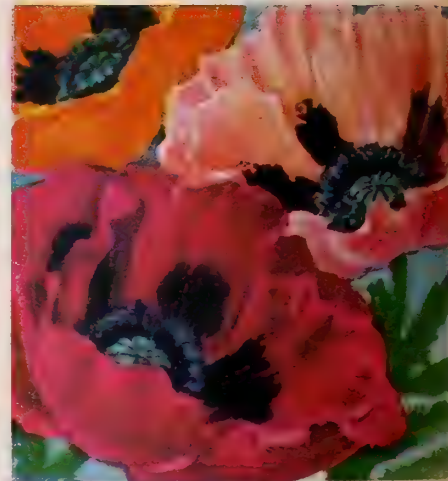


- 8293 POPPY Iceland Emperor. 18-22 in. Finest giant orange variety, of distinct new form, with broad overlapping fluted petals giving effect of semi-doubleness. Blooms freely first year from seed. Pkt., 25c.

ORIENTALE (Oriental Poppy) 3 ft. May-June

These gorgeous spring flowers, often six inches across, of vivid coloring, may be left undisturbed for years. They are beautiful with the tall bearded Iris.

- 8307 Beauty of Livermere. Finest dark crimson. Pkt., 25c. Plants, 3 for \$1.25; doz., \$3.75.
 8311 Carneum. Light and dark salmon-pink shades (70% true). Pkt., 25c.
 8308 Mahoney. Maroon, shaded crimson. Pkt., 15c.
 8309 Mrs. Perry. Delicate salmon-rose, black base. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.00.
 8306 Perry's White. 2½ ft. Large, handsome satiny white flowers with purple-black base. Pkt., 25c. Plants, 3 for \$1.25; doz., \$3.75.
 8305 Princess Victoria Louise. Large flowers, soft lilac-rose color. Pkt., 15c.
 8310 Red. Very striking color. Pkt., 10c.
 8313 Named New Varieties Mixed. Seed collected from a field of the newer named sorts. Pkt., 25c.
 8314 Vaughan's Special Mixture. Pkt., 25c.



- 8313 POPPY Oriental Named New Hybrids. Pkt., 25c.



- 8440 PYRETHRUM Grandiflorum Single Mixed. Pkt., 15c. Plants, 3 for 85c.

Pyrethrums

(Painted Daisy) May-June

Culture: B, D or E, Page 67

Their large flowers, well named Painted Daisies, blossom with the tall Iris, and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seed. 1 to 2 ft.

- 8440 Grandiflorum Single Mixed. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
 8431 —Roseum. Immense deep rose. Pkt., 50c
 8432 —Rubrum. The color might best be described as deep ruby-red. Pkt., 50c.
 8432A—White. Pure white and of true giant flowering type. Pkt., 50c.
 Double Colors and Mixed, See Novelty Pages.
 8441 Single Album. White.
 8444 —Atro-sanguineum. Blood-red.
 8442 —Carneum. Flesh. 8443 Roseum. Rose. Each of above, pkt., 15c.
 8436 —James Kelway. Rich velvety blood-red. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
 8438 *Robinson's Hybrids, Mixed. Pkt., 25c. Plants, 3 for \$1.25; doz., \$3.75; 100, \$25.00.
 8438A *Robinson's Crimson. Pkt., 25c. Plants, 3 for \$1.75; doz., \$3.75; 100, \$25.00.
 *For Descriptions See Novelties.
 8435 Single Mixed. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
 8427 Cinerariaefolium. 2 ft. Persian Insect Powder Plant, white for cutting. Pkt., 15c.
 8429 Uliginosum. A hardy and vigorous fall Daisy bearing large white flowers in September. Pkt., 15c.
 8428A Tchihatchewii (Turking Daisy). This is of value, not only as a trailing rock garden plant, grown then primarily for its bloom, but also as a hardy and effective grass substitute or cover plant for dry soils and difficult places. This seed germinates readily if sown so it has a long exposure to cool soil conditions. It is difficult to germinate it if sown in heat. Pkt., 25c.

Scabiosa

Culture: B, D or E, Page 67

They are in bloom from June to October, require little space and thrive in ordinary soil. The graceful flowers in delicate shades of blue and lavender are borne on long, erect stems and are a valuable cut flower.

- 8492 House's New Giant Hybrids. 18 in. June-Oct. Large flowers in various shades of lavender. Pkt., 25c. Plants, 3 for \$1.25; doz., \$3.75; 100, \$25.00.
 8494A Caucasica Vaughan's Special Mixture. Large fringed and ruffled flowers from lavender to dark blue and some pure white. Pkt., 25c.
 8494 Columbaria Delicate Pink. Flowers freely produced, of a deep rosy mauve. Not hardy in North. Pkt., 25c.
 8496 Fischeri. 2½ ft. A long lived perennial, flower is 2½ in. of beautiful blue-purple. Pkt., 25c.
 8496A Webbiana. Large fluffy flowers of pure true cream. June to November. Pkt., 20c.
 8495 Japonica. 2 ft. Lavender-blue flowers. September to frost. Pkt., 10c.



- 8490 SCABIOSA Caucasica Perfecta. Seeds, pkt., 15c. Plants, 3 for \$1.00.

- 8490 Caucasica Perfecta. 18 in. Light blue flowers prettily fringed on long stem; fine for cutting. June-October. Pkt., 15c. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.

- 8491 —Alba. Pure white, comes true. Pkt., 25c.

PLANTS OF ORIENTAL POPPIES

Cavalier. Strong and free blooming. Crinkly flowers are deep scarlet red. Plants, each, 65c; 3 for \$1.75; doz., \$5.25.

Fairy. Lovely delicate poppy, pure pale pink blooms, medium size. Plants, 3 for \$1.25; doz., \$3.75.

Wunderkind. Enormous carmine pink, vigorous growth. Plants, each, 65c; 3 for \$1.75; doz., \$5.25.

Jeannie Mason. 2½ ft. Charming Geranium pink, large flowers on stiff stems. Plants, 3 for \$1.25; doz., \$3.75.

Joyce. 4 ft. A tall cherry-red Poppy of medium size. Plants, 3 for \$1.00; doz., \$3.00.

Salmon Glow. Tall, dark salmon pink. Plants, each, 65c; 3 for \$1.75; doz., \$5.25.

Olympia. Double rich scarlet. Very early and free blooming. Plants, 3 for \$1.25; doz., \$3.75.

Royal Scarlet. Old-fashioned scarlet Oriental Poppy. Plants, 3 for 85c; doz., \$2.50.

Additional Perennial Seeds and Plants

For Additional Perennial Seeds and Plants See Also Pages 52 to 56 Inclusive, and Back Cover.

NOTE—All plants are F. O. B. our Greenhouses, Western Springs, Illinois. Postage must be added to cover cost of transportation at rates noted below or else they will be sent express at buyer's expense.



ACHILLEA, The Pearl

Achillea (Yarrow) ①

Culture: B, D or E, Page 67

Achilleas grow readily from seed in sunny, well-drained positions, except the varieties marked X, which should have rock garden conditions. They are fine border flowers and several are excellent for cutting.

7007 X **Ageratum**. 1 to 2 ft. A pretty Alpine of compact habit, with leaves like Ageratum. Yellow, sweet-scented. Pkt., 15c.

7008 **Eupatorium Filipendula, Parker's Variety**. 3 to 5 ft. June-Sept. Clear yellow flower-heads. May be dried for winter bouquets. Pkt., 15c.

7010 **The Pearl**. 2 ft. June to August. Pure white, double flowers, fine for cutting. Pkt., 15c

7013 X **Tomentosa Aurea**. 8-10 in. A woolly carpet-like plant for rockeries. Pkt., 15c.

Alyssum (Madwort) ①

Culture: B, D or E, Page 67

Showy free flowering spring-blooming plants, valuable for front row in border or rock garden.

7054 X **Argenteum**. 1 ft. Dwarf, yellow flowers, leaves silvery underneath. Pkt., 10c.

7055 X **Saxatile Compactum (Basket of Gold)**. 9 in. Almost as soon as winter is over Alyssum Saxatile Compactum becomes a mass of yellow gold; a fine companion to spring bulb flowers. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7056 X **Compactum Sulphureum**. Lovely pale lemon colored flowers. Very effective with lavender or pink Tulips. Pkt., 15c.

7058 **Rostratum**. 20 inches. Flowers deep yellow in dense heads. Pkt., 25c.

7059 X **Serpyllifolium (Alpestre) Thyme-leaved**. 3-4 in. Gray leaves, pale yellow flowers, excellent for dry, sunny positions. Pkt., 15c.

Aubrietia ①

Culture: B, D or E, Page 67

One of the daintiest and most delicately beautiful of all dwarf creeping plants for carpeting beds or rockeries, forming brilliant sheets of blue, crimson or rose for many weeks. A gem for planting in crevices of rocks or wall, forming a cataract of color. 6 in.

7231 X **Bougainvillei**. Light violet purple. Pkt., 25c.

7231A **Deltoidea**. Lilac. 6 in. Pkt., 25c.

7231B **Eyrii**. Fine large blue. Pkt., 25c.

7232 X **Graeca**. Light blue, dwarf. Pkt., 25c.

7233 X **Leichtlinii**. Large-flowered, rosy lilac. 25c.

7233A **Rosea Grandiflora**. Pkt., 25c.

7234 **Whitewell Gem**. Glowing rosy purple with slight tinge of blue. Pkt., 25c.

7230 X **Large-Flowered Hybrids, Mixed**. A wonderfully fine strain, good range of colors. Pkt., 25c.

It is fascinating to grow your own perennials from seed. We recommend sowing perennial seeds in spring. Seed germinates better in the cool weather than in the heat of midsummer, and the long growing season produces larger plants that winter over more successfully. The majority of these perennials bloom the second year from seed although some, like Coreopsis and Gaillardia, if sown early, bloom the first year. Plants can be raised in beds and transplanted or the seed may be planted directly in your perennial garden. The great charm of perennials lies in their permanence; once established they are a constant source of pleasure.

Plants by Parcel Post

If to be sent by parcel post, add postage as follows: 3 plants, 12c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

Plants by Express

We recommend this mode of transit where quantities are 12 plants or over. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.



ACONITUM (Monkshood)

Aconitum (Monkshood) ①

Culture: C, Page 67

Aconitums need rich, acid soil and prefer shade. Seed may be sown in the fall, as it germinates slowly. They should not be moved when once established, and require a mulch in winter. The roots are poisonous.

7026 **Barker's Variety**. This variety is more vigorous than others, but its outstanding merit is the branching habit of the flower spike. Flowers are amethyst blue, considerably darker than Wilsoni. Pkt., 25c.

7020 **Napellus**. 3-4 ft. July-August. Upright spike of dark blue flowers. Pkt., 15c.

Perry's White. Pure white double flowers. Fine for cutting. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7025 **Wilsoni**. 6-7 ft. Sept.-Oct. Tall, autumn flowering, mauve, fine for cutting. Pkt., 15c.

7030 **ADLUMIA Cirrhosa (Allegheny Vine)**. 15 ft. June. Pink flowers, fern-like foliage. Pkt., 10c.

Agathea ①

Culture: D, E or C, Page 67

7040 **Coelestis (Blue Daisy)**. 1½ ft. June. Flowers sky-blue with yellow disc. Useful in the border, for bedding and as a pot plant; half hardy. Pkt., 10c.



ANCHUSA Dropmore

Anchusa (African Forget-Me-Not) ① □

Culture: B, D or E, Page 67

Stately and handsome perennials belonging to Forget-me-not family. They do best in a deep, well drained soil, not too damp or heavy and in a sunny position. All Anchusas are excellent bee plants.

7066 **Affinis**. 40 in. Beauty lies in its gracious curves; uncurling racemes set with white-centered stars of imperial violet. Sown early it will flower the first year. Pkt., 15c.

7067 **Avalon Hybrids**. Gracefully irregular with crosier-sprays of mellow cream, soft primrose, palest blue, azure, indigo, rose, pink, even carmine, in re-starring. Scarcely two flowers alike. Blooms from seed the first year. Pkt., 20c.

7065 **Barrelieri**. 2½ ft. Dwarf bushy habit, small deep blue flowers very early in spring. Pkt., 25c.

7070 **Italica, Dropmore Variety**. 5 ft. June-July. Gentian-blue flowers. Thrives best in partial shade. Pkt., 15c.

7069 — **Lissadell**. 6 ft. Large, gentian-blue. 25c.

7071 — **Felton Pride**. Bright blue, free flowering and compact. Pkt., 25c.

7068 — **Morning Glory**. 5 ft. Clear blue, a little lighter than Lissadell but quite similar, coming quite true. Buds appear a rosy-mauve but turn to clear blue as they open. Pkt., 20c.

7064 **Riparia**. Sturdy upright plants, branching habit; flowers intense blue, dark and rich that gives the illusion of reflecting light. A perennial that blooms the first year from seed. Pkt., 15c.

7073 X **Anchusa Myosotidiflora**. 1 ft. April-May. A lovely perennial which blossoms with the late Tulips, forming a mound of attractive foliage almost hidden by pale blue Forget-me-not blossoms held above the foliage on straight stems. Germination is slow and fall sowing in an open seed bed gets good results. Pkt. (50 seeds), 35c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

Asclepias (Butterfly Weed) ①

Culture: B, D or E, Page 67

7220 **Tuberosa**. 2 ft. One of the showiest of our native perennials, producing from July until frost brilliant orange flowers with purplish stems and hairy leaves. Seed pods if gathered just as they begin to open and brought into the house and placed in a vase, soon open and develop into an attractive everlasting. Pkt., 15c.

7052 **ALSTROEMERIA Aurantica**. ① 3 ft. Orange and red. Pkt., 25c.

7219 X **ARENARIA Montana**. ① 6 in. Silvery white flowers. Pkt., 25c.



TYPE OF ANEMONE Japonica

Anemone (Windflower) ①

Culture: B, C, D or E, Page 67

This interesting family furnishes a remarkable variety of showy garden subjects. Seeds germinate slowly. Some varieties flower in the spring, and the Japanese Anemones are among the most beautiful of fall flowering perennials.

7080 × **Coronaria St. Brigid's Strain.** May-June. Double and single mixed. 12 in. A beautiful selection in a wonderful array of colors. Pkt., 20c.

7077 — **His Excellency.** Large single scarlet. 25c.

7078 — **The Governor.** Double scarlet. Pkt., 25c.

7090 × **Pulsatilla (Pasque Flower).** 1 ft. April-May. Flowers varying from lilac to purple. Pkt., 10c.

7095 × **Pulsatilla Rubra.** 6 to 9 in. April-May. Handsome dark red erect flowers. Pkt., 15c.

7100 × **Sylvestris (Snowdrop Windflower).** 1 to 1½ ft. Large, nodding, sweet-scented white flowers, tinged lavender. April-May. Pkt., 15c.

ANEMONE (Japanese Windflower). 2 to 3 ft. Bloom freely from late August till severe frosts. One of the most important fall garden plants. They prefer shade, moisture, a fertile and well drained location. Protect in winter. When once established they should not be disturbed.

Japonica Alba. White, yellow center.

— **Huehensis.** Rose-pink.

— **Queen Charlotte.** La France pink, semi-double.

— **Whirlwind.** Full double white.

Plants, any of above Anemone Japonica, 3 for \$1.00; doz., \$3.00; 100, \$20.00.

Japanese Anemone Collection No. 81

One plant each of 4 varieties, for \$1.20.



ARTEMISIA Silver King

New Hardy Asters ①

Illustrated in Color on Inside Back Cover.

Culture: B, D or E, Page 67

If you have ever seen the glorious effects of a mass planting of these hardy perennial Asters, you will not fail to make a planting of them in your garden. They are among the showiest of our late flowering hardy plants, giving a wealth of bloom in late summer and fall, a season when most other perennials are past blooming. They grow from two to five feet high according to the variety, blooming profusely over the entire plant. For best effect they should be planted in masses of one color.

DWARF ALPINES

7226A **Alpinus Albus.** Pure white. 1 ft. Pkt., 25c.

7227A × — **Mixed.** 5 to 10 inches. May-June. Large lavender-blue and white flowers. Pkt., 25c.

Three New Dwarf Asters, 90c.

One each of the varieties listed below:

Extremely showy in full bloom and a welcome addition.

× **Countess of Dudley.** 1 ft. Oct. Charming clear pink flowers with yellow eye.

× **Victor.** 6 in. Sept. The flowers are of good size and of a beautiful clear pale lavender blue.

× **Snowsprite.** 6 in. Sept. Very dwarf growth hidden by a solid mass of white bloom.

Any of above New Dwarf Asters: Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.

7224 **Amellus Hybridus.** 2½ ft. New named varieties, finest mixed. Pkt., 25c.

Frikarti (Wonder of Stafa). 2 ft. Amellus type. Large sky-blue flowers in profusion from September till late October. A famous and valuable variety. Each, 65c; 3 for \$1.75; doz., \$5.25.

Wartburg Star (Star of Eisenach).

May. A giant-flowered variety of the subcoeruleus type. Bright lavender-blue Marguerites with yellow centers measuring more than four inches across. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.

7225 **Perennial, Large-Flowering Mixed.** 3-5 ft. Sept.-Oct. Various shades of blue. Pkt., 25c.

MICHAELMAS DAISIES

Of great hardiness, producing a wealth of bloom in September.

Charles Wilson. Brilliant red flowers cover plant which grows 3 feet tall. Plants, 3 for \$1.50; doz., \$4.50.

Climax. Lavender-blue. 3 ft. 3 for 85c; doz., \$2.50; 100, \$15.00.

Beechwood Challenger. (New.) 2½ ft. Darkest red of all. 3 for \$1.25; doz., \$3.75; 100, \$25.00.

Harrington's Pink. First true pink hardy Aster. Large flowers of luminous true pink, first of this color on bushy plant. 3 for \$1.25; doz., \$3.75; 100, \$25.00.

Mount Everest. 3 ft. Best white variety. Large flowers. 3 for \$1.25; doz., \$3.75; 100, \$25.00.

Skylands Queen. 3 ft. Pale blue. Largest flowers and heaviest bloomer of all. 3 for \$1.25; doz., \$3.75; 100, \$25.00.

Blackberry Lily or ①

LEOPARD FLOWER

Culture: B, D or E, Page 67

7243 3 to 4 ft. A perennial of easy culture in rich sandy loam in a sunny spot. Flowers orange spotted red. Seed stalks may be used in winter bouquets—are clusters of shining black seeds. Pkt., 10c.

ARTEMISIA Silver King. A white-leaved contrast plant. May be cut for use in winter bouquets. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

September 21st

"I cannot resist sending you a word of praise for the success of my perennial border. Right now, from the study window, there is a charming display of hardy Asters, ranging in colors from soft pink to flamboyant purple. The sweet alyssum is a miniature hedge of white."

A. L. R. Washington, D. C.



ANTHEMIS Tinctoria

Anthemis (Marguerite) ①

Culture: B, D or E, Page 67

Free-flowering perennials with attractive cut foliage and large Daisy-like flowers. Need full sun.

7110 — **Kelwayi.** 2 ft. Daisy-like lemon-yellow blossoms, all summer. Excellent for cutting. Pkt., 10c.

7111 — **Alba.** 3 ft. Hardy white Marguerite. 15c.

7112 — **Sancta Johannis.** 1½ ft. Clear golden yellow flowers. Pkt., 25c.

7114 — **Tinctoria, Perry's Variety.** 2 ft. Large lemon-yellow Daisies, in bloom all summer. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.



ARABIS (Rock Cross)

Arabis (Rock Cross) ①

Culture: D or E, Page 67

Spreading dwarf, spring-flowering plants. They do well in any soil, but need plenty of sun.

7195 × **Alpina.** 1 ft. April. Pure white. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7198A — **Snow-cap.** Extremely dwarf and compact habit—really shining, snow-white cushions of flowers. Pkt., 15c.

7197 × — **Rosea.** 1 ft. May. Compact rosettes of foliage and pink flowers. Pkt., 35c.



ARMERIA Ruby

Armeria (Thrift, Sea Pink) ①

Culture: B, D or E, Page 67

Dwarf-growing perennials with grassy leaves and a tufted habit of growth. The flowers are borne in globular heads during May and July, and the plants are suitable for edgings to borders.

7805 **Alpina**. 1 ft. July. Deep rose. Pkt., 10c.

7817 **Bee's Ruby**. A giant flowered type with deep glowing ruby blooms on stout 12-inch stems. Pkt., 25c. Plants, 3 for \$1.50; doz., \$4.50.

7811 **Formosa Hybrida**. 24 in. Shades of pink. Blooms early summer. Pkt., 15c.

7806 **Glory of Holland Giant Pink**. Improved variety bearing clear, deep pink flowers the size of a silver dollar on straight stems of 24 inches height, in large profusion all summer. Fine for cutting. Pkt., 25c.

7818 **Lauchiana**. 6 in. June-Aug. Crimson. Pkt., 10c.



Baptisia ①

Culture: B, C, D or E, Page 67

7235 **Australis (False Indigo)**. Forms a spreading bush 3 to 4 ft. high with dark bluish green leaves and Lupin-like blue flowers in June and July. Pkt., 10c.

7435 **CERASTIUM Tomentosum ① (Snow in Summer)**. 4 in. June-July. A low, creeping plant bearing a profusion of white flowers. Pkt., 15c.



BUDDLEIA (Butterfly Bush)

Boltonia (False Chamomile) ①

Culture: B, D or E, Page 67

They are among the relatively few fall flowering perennials, and are effective as background plants. They bear small star-flowers in large clusters.

7250 **Latisquama**. 4-5 ft. July-Oct. Delicate pink Pkt., 15c.

Buddleia (Butterfly Bush) ①

A small shrub bearing exquisite tapering spikes of lilac-mauve flowers; requires same protection as Roses during winter. The top usually freezes back, and new growth starts from the root, like other perennials.

lle de France. 3-6 ft. July-Sept. Large trusses of rich, rosy violet-purple, fragrant. Plants, 3 for \$1.25; doz., \$3.75; 100, \$25.00.

Royal Red. A new rich dazzling red, different from any preceding variety. Plants, 75c; 2 for \$1.25.

Four New Buddleias, \$1.65

ONE EACH OF POT PLANTS LISTED BELOW

Great improvements have been made in this flowering shrub known as Summer Lilac, or Butterfly Bush, which flowers from July until frost.

Charming. Light rose pink. Fast grower. Ea., 50c.

Dubonnet. An entirely new shade. The popular Dubonnet wine color. Each, 50c.

Fortune. Patented. Pure lilac, excellent cut flower. Each, 75c.

lle de France. 3 to 6 ft. July-Sept. Large trusses of rich, rosy violet-purple, fragrant. Plants, 50c ea.

Centaurea ①

(Hardheads, Knapweed)

Culture: B, D or E, Page 67

The flower-heads are like showy, ragged Thistle blooms.

7426 **Dealbata**. 2 ft. Large and striking rose-pink flowers, feathery foliage. Pkt., 15c.

7425 **Macrocephala**. 3 ft. During July and Aug., its stiff upright stalks are topped with radiant yellow Thistle-like blooms. Flowers often 4 in. across. Fine for background. Pkt., 10c.

7430 **Montana Blue**. 2 ft. June-Sept. Numerous large deep blue flowers somewhat resembling the annual Cornflower. Pkt., 10c.

Chrysanthemums ①

Culture: B, D or E, Page 67

These hardy fall flowering Chrysanthemums will bloom the first year from seed, often producing earlier blooms than possible to obtain from plants. In sections where frosts are early and winters severe, this method of propagation is advised.

7442 **Cascade or Balcony Mixed**. A form producing drooping spikes a foot or more in length, with flowers about the size of a Climax Aster in delicate pink, rose, yellow and white mixed. Should be grown in hanging basket or pot. Pkt., 35c.

Korean Hybrids. See Novelty Pages.

7445 **Mawii**. 1 ft. Rich pink flowers, an ideal subject for border or rockery, flowers two inches across. Silvery foliage. Pkt., 35c.

For other Chrysanthemums, See Back Cover.



CARNATION

Carnation ①

Culture: B, D or E, Page 67

GRENADIN

A valuable bedding variety with double flowers, blooming first year from seed if sown early. 20 in.

7390 **King of the Blacks**. Darkest red, very fine. Pkt., 25c.

7398 **Golden Sun**. Early flowering, very double, large clear yellow flowers. Pkt., 35c.

7395 **Scarlet**. Pkt., 35c.

7385 **Triumph, Rose**. Pkt., 25c.

7400 **White**. Pkt., 25c.

7401 **Mixed**. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7415 **Vienna Dwarf Mixed**. They grow evenly about 14 inches tall, are extra double, large-flowering and early. Pkt., 10c. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.

7376 **CASSIA Marylandica ①** 4 ft. Yellow. 10c.

7377 **CATANANCHE Coerulea ①** 2 ft. Blue. 10c.

7256 **CALLIRHOE involucreta ① (Poppy Mallow)**. Crimson. Pkt., 15c.



BOCCONIA (Plume Puppy)

Bocconia × ①

7240 **Cordata (Plume Poppy)**. 5 ft. A handsome border plant, having large lobed heart-shaped leaves with silvery under surface and flower plumes pretty cream color. Pkt., 10c.



SHASTA DAISIES Alaska

Shasta Daisies ①

Culture: B, D or E, Page 67

The name Shasta is now applied not to a single variety but to a class of hardy Daisies, bearing giant flowers, all splendid border subjects and easily grown from seed.

7500 Alaska. 2-2½ feet. Splendid for cutting. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

Diener's New Giant Everblooming G. Marconi. See Novelty Pages.

Diener's Fancy Chiffon Glendale. See Novelty Pages.

7501 Westralia. 3 ft. Taller and earlier. Pkt., 15c.

7502 Elder Daisy. 2 ft. May. A popular variety for early cutting and border. Pkt., 15c.

Giant Double. See Novelty Pages.

Elder Daisy, Improved. Originator's improvement, larger flowers and more prolific bloomer. Plants, 3 for 85c; doz., \$2.50.

7446 Maximum Dwarf Bouquet. 12-15 in. A dwarf variety that blooms from seed the first year. White flowers with small centers. Pkt., 25c.

7462 Maximum Conqueror. June. 2½ ft. Large, pure white flowers, five inches in diameter, on long stiff stems, in profusion. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7460 —King Edward VII. 2½ feet. Very large flowers on stout stems. Pkt., 10c; Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

Esther Reed. Snow-white flowers, completely double and everblooming in habit. Stiff stems, excellent for border and cutting. Each, 65c; 3 for \$1.75; doz., \$5.25.

7448 Mrs. C. Lothian Bell. Large flowers on long stems. Pkt., 15c.

CLEMATIS Jackmanii. See Climbing Vines.

Chelone (Turtle Head or Shell Flower) ①

Culture: B, D or E, Page 67

Hardy perennials of easy culture. The flowers, which are borne on 2 to 3 foot stems, resemble a turtle head, and are most useful for cutting.

7436 Barbata Coccinea. Scarlet, 4 ft. Pkt., 15c.

7437 —Hybrida, Mixed. 4 ft. Pkt., 15c.

7441 Torreyi. Brick red, 4 ft. Pkt., 15c.

Corydalis ①

Culture: A, B, D or E, Page 67

7498 Sempervirens Rosea. 12 to 18 in. Another exquisite plant with beautiful blue gray lacy foliage, lovely air swung blossoms in purest pink with gold tip. Pkt., 25c.

Cynoglossum ①

Culture: A, B, D or E, Page 67

7499 Nervosum. 1-2 ft. A perennial "Chinese Forget-me-not." Blooms in May with true blue flowers, and if faded spikes are cut continues until mid-August. Likes sun and heavy soil. Pkt., 25c.



DICTAMNUS Fraxinella (Gas Plant)

Dictamnus (Gas Plant) ①

Culture: B or C, Page 67

This bushy perennial with its attractive flower spikes blooms with the tall bearded Iris. While its seeds germinate slowly, and do best when sown in the fall, once the plant is established it should not be moved.

7720 Fraxinella. 3 ft. May-June. Large spikes of deep pink purple-veined flowers. Pkt., 15c. Plants, 3 for \$1.00; doz., \$3.00.

7725 —Albus. 3 ft. May-June. Spikes of attractive pure white sweet-scented flowers. Pkt., 15c. Plants, 3 for \$1.00; doz., \$3.00.



DORONICUM

Doronicum (Leopard's Bane) ①

Culture: B or C, Page 67

Showy spring flowering perennials belonging to the Daisy order. Their yellow Marguerite flowers are invaluable for cutting. Seed germinates slowly.

7777 Caucasicum. 1½ ft. A showy border plant with large heads of yellow flowers. Spring. Pkt., 50c.

Echinacea (Coneflower) ①

Culture: B, D or E, Page 67

Stout perennials for the border or wild garden. Flowers in July-Aug., good cut flowers.

7785 Purpurea (Purple Coneflower). 3-4 ft. A handsome border plant; purple flowers. Pkt., 15c.



EUPATORIUM Hardy Ageratum

7788 ECHINOPS Ritro (Globe Thistle). ① 3-4 ft.

Steel-blue flower-heads, round like a ball, covered with needle-like spines. Pkt., 10c.

7791 X EDELWEISS Leontopodium Alpinum. ①

4-12 in. June-July. The flowers white and star-shaped. Both leaves and flowers are woolly. Pkt., 25c.

Eupatorium ①

Plant these vigorous, thrifty flowers in the border or in woodland. They like light shade. *Coelestinum* is one of finest fall perennials.

Coelestinum. 2 ft. Sept.-Oct. One of the few outstanding fall perennials. Grows into large bushes with abundant lavender flower-heads like *Ageratum*. Excellent cut flower. Plants, 3 for 85c; doz., \$2.50.

Euphorbia ①

Culture: B, D or E, Page 67

7807 Corollata (Wild Baby's Breath). 2 to 3 ft. Blooms in midsummer, and suggests *Gypsophila* but the flowers are larger and more pronouncedly white, a cloud of small white stars, indistinguishably delicate and airy. Valuable for bouquets. Will bear anything in the way of drought or neglect. Leaves turn a rich wine color in fall. Pkt., 25c.

7808 X Myrsinites. 3 in. June-July. Distinct grey trailer, large heads of yellow flowers. Pkt., 25c.

7806 X Polychroma (Mountain of Gold). 18 in. June and July. Bright yellow flowers changing to rosy bronze. Pkt., 25c.

Eryngium (Sea Holly) ①

Page 67

Culture: C (April-July), Set out Aug.-Oct.

Handsome ornamental plants for flower and shrubby borders. Flowers July to Sept. The leaves are prickly, flower heads are surrounded by spreading prickly floral bracts and the flower head itself is a small Teasel. The branches can be dried and the flowers used in winter bouquets.

7793 Amethystinum 1½-3 ft. Fine foliage with bluish-green shoots terminating in numerous amethyst-blue thistle-like flowers. Pkt., 25c.

7795A Bourgati. Handsome and vigorous species. The deeply cut leaves have light veins which are very attractive. The stems, flower-heads and radiant pointed petals are steel blue. June flowering. Pkt., 20c.

7798 X ERINUS Alpinus. ① 4 in. May-June. Purple flowers, good for flagging. Pkt., 25c.

Gerbera (Transvaal Daisy) ①

Culture: D or E, Page 67

7846 Jamesoni Hybrids (Flowerland Strain). 2 ft. Large Daisy-like blooms on long stems in yellow and red. Seed should be sown singly, point up, cover lightly in greenhouse or hotbed. Transplant when leaves are one inch long. Water sparingly. Give sunny, airy location, protect in summer in the open from rain. Needs protection over winter. Pkt. (25 seeds), 25c.



GYPSOPHILA Paniculata Double Baby's Breath

Gypsophila (Baby's Breath) ①

Culture: A, B, D or E, Page 67

Established plants, which should never be disturbed, produce cloud-like masses of small flowers in the border. They are fine for cutting and dry perfectly for winter bouquets. Dried flowers can be made to look again like fresh ones by wrapping the dried blooms in a moist towel half a day in a cool place.

7864 Acutifolia. 3 ft. Pretty, useful species, flowers pale pink. Pkt., 15c.

Bodgeri. Dwarf double white. Plants, 3 for \$1.25; doz., \$3.75.

7866 Oldhamiana. 3 ft. The light little buds are first almost white, but open a lively shade of pink that tends to darken as the flowers mature. Each individual flower measures slightly more than one-quarter of an inch in diameter and possesses a white throat. The flowers are fragrant. Seeds, pkt., 25c; Plants, 3 for \$1.00; doz., \$3.00.

7867 Pacifica. 4 ft. Withstands both severe winter and extreme heat. The seedlings form dense bushes with myriads of tiny pink blossoms. Pkt., 25c.

Paniculata Bristol Fairy (Double Baby's Breath). Early double pure white large flowering perennial Baby's Breath. It is a new form, blooming much earlier than Paniculata fl. pl., and producing a second crop of spikes after the first have been cut. Plants, 65c each; 3 for \$1.75; doz., \$5.25.

Flamingo. Double pink Baby's Breath. Companion to above in habit and growth. Light pink early in season—dark pink in cooler weather. Each, 75c; 3 for \$2.00; doz., \$7.50.

7860 Paniculata Double Snow White. A great improvement on the single-flowered type and more lasting. 2-3 ft. July-August. Pkt., 25c.

7865 —(Baby's Breath). 2-3 ft. July-Aug. Small single flowers on branched stems, so thick as to give the plant a white lace-like effect. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

7863 X Repens Rosea. 6 in Attractive dwarf pink. Pkt., 15c.

7862 X Repens Dwarf White. Pkt., 15c.

Rosenschleier (Rosy Veil). Dwarf, double pink. Plants, 3 for \$1.25; doz., \$3.75.

Globularia (Globe Daisy) ①

Culture: B, D or E, Page 67

A dwarf-growing perennial suitable for growing on the margin of sunny borders and very showy in the rock garden. They have evergreen foliage.

7857 X Trichosantha. 6 in. A dwarf, tufted little plant with beautiful lavender globular flower heads. Does well in front of a well-drained border and is a brilliant picture in the rock garden. Pkt., 25c.

Helianthemum ①

Culture: C (April-July), Page 67 Set out Aug.-Oct.

7906 X Mutabile (Rock Rose). 8-12 in. Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. Pale rose changing to lilac, then to white. Excellent for rockeries. Mixed colors. Pkt., 15c.

Helianthus (Hardy Sunflower) ①

Culture: B, D or E, Page 67 ①

Hardy, perennial Sunflowers flourish splendidly in any garden, city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting.

7900 Maximilianii. Aug.-Oct. 2-4 ft. Small and graceful flowers of deep yellow. Pkt., 25c.

7905 Perennial Varieties, Mixed. Pkt., 15c.

Multiflorus Plenus. Double golden yellow Chrysanthemum-like flowers. Aug.-Sept. 4 ft. tall. Plants, 3 for \$1.00; doz., \$3.50.



HELIANTHUS Multiflorus Plenus

Helenium (Sneezewort) ①

Culture: B, D or E, Page 67

To register masses of color in the border background, the Heleniums and other members of the Sunflower family are most useful. They grow easily from seed and spread rapidly. Autumn flowering varieties are especially valued for contributing autumn color.

7880 Bigelowi. 2 ft. Light yellow flowers borne from July to September. Pkt., 10c.

7885 Hoopesii. 1-3 ft. June. Rich orange-yellow with slightly drooping rays. Pkt., 10c.

7890 Riverton Gem. 2 to 4 ft. Covered from August to October with brilliant old gold, changing later to wallflower-red. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.00.

7895 Riverton Beauty. 4-5 ft. Rich lemon-yellow with a large purplish cone. Aug.-Sept. Pkt., 25c. Plants, 3 for \$1.25; doz., \$3.75.

Hosta (Funkia or Day Lily) ①

Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty Lily-like flowers in terminal racemes, 1½-2 ft. July-Aug. Effective in front of shrubbery under trees, or any shady position.

Coerulea (Lanceolata). 1 ft. Dark blue. Plants, 3 for \$1.00; doz., \$3.00.

Fortunei Robusta. Unusually large blue-green foliage. Flowers are white, shaded a light lilac blue. A novelty of real value. Plants, each, 65c; 3 for \$1.50.

Japonica Aurea Marginata. 1 ft. Aug. Mauve. Plants, 3 for \$1.25; doz., \$3.75.

Subcordata Grandiflora. Flowers white, large green leaves. One of the best perennials for shade. Plants, 3 for \$1.25; doz., \$3.75.

Variiegata. Good edging plant, leaves white and green. Plants, 3 for \$1.00; doz., \$3.50.

Helleborus (Christmas Rose) ①

Helleborus Niger. 10 in. Rare, interesting perennial which blooms in winter or early spring. White flowers, 2 in. diam. Plants, each, 90c; 3 for \$2.50.



HIBISCUS (Rose Mallow)

Hibiscus (Rose Mallow) ①

(3 to 5 Feet)

Culture: B, D or E, Page 67

In the late summer, when perennials are few, well established plants of Mallow bear their beautiful single flowers, 3 to 5 inches, several weeks. Aug.-Sept.

7945 Crimson Eye. Creamy white flowers, large crimson center. Pkt., 10c. Plants, 3 for 85c.

7950 Golden Bowl. Deep cream, with a velvety maroon center. Pkt., 10c.

Jumbo Red. Plants, 3 for \$1.00; doz., \$3.00.

7960 Mallow Marvels, Mixed. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

7965 —Red. Pkt., 15c.

7966 —Pink. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

Heliopsis (Orange Sunflower) ①

Culture: A, B, D or E, Page 67

A very brilliant border plant, resembling a double Sunflower; an excellent cut flower.

Golden Ray. See Inside Back Cover.

7909 Lemoine Strain. Double golden yellow. Blooms first year from seed. Pkt., 15c. Plants, 3 for \$1.00; doz., \$2.50.

7910 Pitcheriana. 3 to 4 ft. high. Golden yellow flowers 2 inches in diameter; blooms all summer. Pkt., 25c.

HOSTA (Funkia or Day Lily).
Subcordata Grandiflora. Plants, 3 for \$1.25;
doz., \$3.75.



HEMEROCALLIS Yellow Day Lily.

Newest Hemerocallis (Yellow Day Lily)

New Hybrid Hemerocallis have become dominant summer border flowers. Taller with larger flowers and new colors, they are as vigorous and free flowering as the older varieties.

5 New Hemerocallis \$2.10

(Cat. Value, \$3.10)

One each of the following:

- Margaret Perry.** July. Dark scarlet-orange with yellow markings. Each, 60c; 3 for \$1.50.
Mikado. June. Large deep orange with maroon transverse blotches. Each, 65c; 3 for \$1.75.
Calypso. 3½ ft. July. Large lemon yellow. Night bloomer. Each, 50c; 3 for \$1.25.
Ophir. 4 ft. July. Giant golden yellow. Each, 60c; 3 for \$1.50.
Hyperion. July-Aug. Outstanding large citron yellow. Each, 75c; 3 for \$2.00.

OTHER NEW HYBRIDS

- Cinnabar.** July-August. Light bronzy red suffused gold. Each, 60c; 3 for \$1.50.
Mrs. W. H. Wyman. 4 ft. Early August. Lovely lemon yellow. Each, 65c; 3 for \$1.75.
Gypsy. July. Orange shaded lustrous red. Each, 50c; 3 for \$1.00.
D. D. Wyman. 2½ ft. July-August. Tawny golden yellow. Each, 60c; 3 for \$1.50.

OLDER VARIETIES

- Aureole.** 3 ft. May. Deep orange, bronze reverse.
Dr. Regal. 1½ ft. Rich orange-yellow. May and June.
Fulva Kwanso Fl. Pl. 3 ft. July-August. Orange shaded crimson double.
Sovereign. 2 ft. May-June. Soft chrome-yellow, shaded brown on the outside, fragrant.
Thunbergi. 3 ft. July. Fragrant golden yellow.
 Prices, Older Varieties, 3 for \$1.00; doz., \$3.00.

Lepachys ①

Culture: B, D or E, Page 67

- 8098 Maroon and Gold.** Extraordinary plant, decidedly attractive and interesting, the flower-heads are little silky columns set successively with tiny blossoms and guarded at the base by wide petal-rays of richest maroon, gold-edged or rarely of all bronzy color. Blooms from seed the first year. Pkt., 15c.



LATHYRUS LATIFOLIUS

Lathyrus Latifolius ①

(Hardy Sweet Pea)

Culture: B, C, D or E, Page 67

Very decorative climbing vines of the Pea family for growing on fences, trellis, etc., and for cutting. Blooms all summer, if seed pods are removed.

- 8100 Pink Beauty.** Pale pink variety.
8105 Rubra. Bright rosy crimson.
8110 White Pearl. Large white.
8115 Mixed. The above colors.
 Each of the above, pkt., 10c.



LINARIA

Linaria (Toad Flax) ①

Culture: A, B, D or E, Page 67

Showy free-flowering plants of a trailing habit. Good for borders, window boxes or rockeries.

- 8122 X Alpina.** 6 in. Blue. July and Aug. Pkt., 25c.
8120 X Cymbalaria (Kenilworth Ivy). 3 in. Dainty lilac and orange, trailing habit. Pkt., 10c.
8121 Dalmatica. 3 ft. Bright yellow flowers, tall habit, glaucous foliage. Pkt., 25c.

Lavender (Lavendula) ①

Culture: B, D or E, Page 67

Delightfully fragrant flowers, much used when dry on account of their sweet odor. Prefers warm, dry soil. Favorite for centuries.

- 8117 X Munstead Strain.** 1 ft. A most valuable variety producing large sweet scented flowers in abundance. A month earlier than the common Lavender. Pkt., 25c.



LUNARIA

For Winter Bouquets ①

Culture: B, D or E, Page 67

- 8150 LUNARIA Biennis Annua (Honesty or St. Peter's Penny).** Flowers lilac-purple, followed by silvery seed pods, prized for winter bouquets. Biennial but readily self-sows. Pkt., 10c.

Linum (Flax) 12 to 18 in. ①

Culture: C, Page 67

The foliage and flower present the appearance of a small feathery bush. The flowers are borne in great numbers from May through September.

- 8140 Flavum.** 1-2 ft. Produces masses of golden yellow flowers from June until Sept. Pkt., 20c.
8141 — Compactum Nanum. A glowing golden yellow, blooms for months and if cut back gives a fall crop. Pkt., 25c.
8124 Narbonense. Forms a spreading clump of azure-blue flowers with white eye. Pkt., 25c.
8125 Perenne Blue. 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms produced continuously in profusion. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.
8135 — Mixed Blue and White. Pkt., 10c.

Iberis (Perennial Candytuft) ①

Culture: A, B, D or E, Page 67

Dwarf evergreen plants, 6 to 10 in. Covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

- 8075 X Gibraltarica.** Pinkish white. Pkt., 10c.
8078 Queen of Italy. Dwarf bushes covered with large pink blooms. Pkt., 10c.
8080 X Sempervirens. Sheet of white. Pkt., 25c.

Incarvillea (Hardy Gloxinia) ①

Culture: B or C, Page 67

Large rich rose Begonia-like flowers with deep yellow throats, produced all through the summer. A hardy perennial which succeeds well in borders and is equally valuable for greenhouse decoration.

- 8084 Bee's Pink.** 1½ ft. Large light rose. Very striking. Pkt., 35c.
8085 Delavayi. 2 ft. June. Large impressive flowers purple rose. Germinates slowly. Pkt., 25c.
8086 Grandiflora. 1 ft. Large amaranth red flowers. May and June. Pkt., 25c.
8087 — Brevipense. 2 ft. Large flowers, bright deep rose. Very handsome. Easily grown. Pkt., 25c.

IRIS Dichotoma. See Novelty Pages.

- 8088 X INULA Ensifolia.** 9 in. July-Sept. Yellow aster-like flowers. Pkt., 25c.

Isatis

Culture: B, or C, Page 67

- 8094 Glauca.** 3 ft. Graceful plant with glaucous green leaves with a white mid-rib. Belongs to Wallflower family, yellow flowers borne in terminal panicles in July and August. Pkt., 10c.



LUPINUS Polyphyllus

Lupinus Polyphyllus ①

Culture: A, B, D or E, Page 67

Inoculate Lupin seeds with Nitragin. Two garden sizes, 10c and 25c. Chill seed before sowing.

- 8170 **Albus.** Large, pure white spikes. Pkt., 10c.
- 8172 **Atro-Violaceus.** Large dark blue. Pkt., 15c.
- 8165 **Blue.** Stately spikes of blue. Pkt., 10c.
- 8166 **Chocolate Soldier.** Yellow to chocolate. 25c.
- 8174 **Downer's Hybrids.** Perpetual flowering new hybrids. Pkt., 25c.
- 8173 **Harkness' Regal Mixture.** Charming new colors. Pkt., 15c.
- 8176 **Lavender Queen.** Lavender tinted pink. 15c.
- 8169 **Luteus.** Yellow shades. Pkt., 15c.
- 8175 **Roseus.** 4 ft. Light and dark rose. Pkt., 10c.

8171A "Russell," Re-selected Strain. These remarkable Lupins are often 3 1/2 ft. in length. The coloring has an enormous range and unique character. Flowers in 4 months from sowing. Gold Medal award by the R.H.S. 20 seeds, 50c.

8171 "Russell" (Grown from originator's stock seed). A fine collection. 50 seeds, 25c.

Famous Russell Strain. Mixed colors, strong, blooming size. Plants, 3 for 85c; doz., \$2.50.

- 8177A **Salmoneus.** Many salmon tints. Pkt., 15c.
- 8182 **Six Hills Scented Mixed.** Fragrant, great range of color. Pkt., 15c.
- 8179 **Vaughan's Special Mixture.** This is a choice mixture of the best English and other European strains, including recent novelties. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50.
- 8180 **Mixed.** Splendid value. Pkt., 10c.

Liatris ①

(Kansas Gay Feather)

Culture: B, D or E, Page 67

- 8118A **Pycnostachya.** 4 to 5 ft. Flowers purple in spikes, which bloom a long time. Excellent for the border. July-Aug. Pkt., 25c.
- 8118 **Spicata (Button Snakeroot).** 2 to 3 feet. Purple flowers. July-Sept. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.
- Pumila.** Plants, 3 for \$1.00; doz., \$3.00.
- 8119 **Scariosa.** Rare North American species. Crowded spikes of rosy purple flowers. Pkt., 15c.
- September Glory.** Extra long purple spikes. Late Aug.-Sept. Plants, 3 for \$1.00; doz., \$3.00.



LOBELIA Cardinalis

Lobelia ①

Culture: B, C, D or E, Page 67

Handsome border plants, thriving in any ordinary garden soil, but preferring a moist, deep loam.

- 8145 **Cardinalis (Cardinal Flower).** 2 ft. July-Oct. Tufts of bronzy green foliage from which arise spikes of fiery scarlet flowers. Pkt., 15c.
- 8146 **Syphilitica.** 3 ft. Aug.-Sept. Fine spikes of blue flowers. Pkt., 15c.

Lilies from Seed ①

Many Lilies are easily grown from seed; and seedling Lilies are likely to be more enduring in your garden. A leaflet describing the simple methods which bring success, requiring no skill, but merely care and patience, will be sent free with each order for Lily seed, if requested. You will find it fascinating.

- 8156 **Auratum (Gold-Banded).** Flowers white, dotted crimson, with a clear golden band running through center of each petal; fragrant. Pkt., 15c.
- 8156C **Concolor.** Especially adapted to rockeries. Flowers upright, starlike, deep vermilion. July. 6 to 18 inches. Pkt. (50 seeds), 25c.
- 8161 **Formosanum Pure White (Dream Lily).** 2 ft. It bears on slender leafy stem many long white trumpet-shaped flowers slightly marked externally, reddish brown with reflexing petals. Blooms from seed the first year if sown early. Pkt. (65 seeds), 35c.
- 8158A **Longiflorum Præcox White Queen.** Produces long trumpet-shaped flowers of clear white. Pkt., 25c.
- 8157 **Henryii.** The flower stalks, 3 to 5 feet high, carry 5 to 8 flowers each; the color, a rich apricot-yellow, lightly spotted with brown. Pkt., 35c.
- 8162 **Regale (The Royal Lily).** 3 1/2 ft. The flowers are white, slightly suffused with pink on backs of petals. Fragrant. Blooms out-of-doors early in July, and seedling bulbs will flower the second year. Pkt. (150 seeds), 15c.
- 8163 **Tenuifolium (Coral Lily of Siberia).** It is a gem, perfectly hardy. One of the earliest to flower. 24 in. high with the flowers up and down on stem. Blooms are deep scarlet and have recurved petals of waxy texture. Pkt. (150 seeds), 25c.
- 8164A **Mixture of Hardy Lilies.** Pkt. (250 seeds), 25c.
- 8220 **LYTHRUM Roseum Superbum.** ① 4 ft. Rose-pink. Pkt., 10c.
- MINT Garden.** Garden variety of Spearmint. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00. For seeds see Herbs in vegetable seeds pages.

8259 Native Wild Flower Mixture.

Seeds of more than 100 different species, carefully collected in the field, are included. Most are American, and all are collected in the temperate zone. There are few annuals, the rest hardy perennials. For sowing in woodlands, naturalistic borders, and wild flower gardens. 1/2 oz., 50c. Pkt., 25c



LYCHNIS Chalcedonica

Lychnis ①

Culture: B, D or E, Page 67

A fine old-fashioned flower that livens up the border during summer and early autumn.

- 8200 **Alpina.** 4 in. April. Close tufts, olive-green foliage. Clusters of rose flowers. Pkt., 20c.
- 8189 **Arkwrightii.** 2 to 3 ft. Magnificent hybrid of Chalcedonica and Haageana. Salmon-rose to flaming scarlet and dark carmine. Pkt., 25c.
- 8190 **Chalcedonica (Maltese Cross).** 3 feet. June-Aug. Burning Star. Flowers fiery red in clusters, each blossom forming a Maltese cross. Will bloom from seed the first year. Pkt., 10c.
- 8196 **Salmon Queen.** 3 ft. Salmon-pink. 15c.
- 8195 **Forrestii Hybrids.** Showy panicles of carmine, crimson, pink and white flowers, excellent for rock garden and border. 2 ft. Pkt., 15c.
- 8210 **Haageana Hybrids.** 1 ft. June-July. Mixed. Ranging from nearly white to scarlet. Pkt., 10c.
- 8215 **Viscaria Splendens.** 1 1/2 ft. Almost evergreen foliage, bright rose flowers. Pkt., 10c.

Monarda ①

(Bergamot or Bee Balm)

Culture: B, D or E, Page 67

Fine for naturalizing in woods and shrubbery; bearing large whorls of flowers surrounded by colored bracts, and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.

- 8225 **Didyma.** 3 ft. June-Sept. Brilliant scarlet. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 8226 **Hybrida.** Mixed. Pkt., 15c.

Nepeta (Maue Catnip) ①

Culture: B, D or E, Page 67

Neat bushes covered with lavender-blue flowers; both foliage and flowers aromatic.

- 8254 **Mussini.** 1 ft. May-Sept. Light blue. Pkt., 25c.
- 8253 **Nervosa.** May-Sept. The flowers are of a clear light blue, brighter than Mussini. Pkt., 25c.
- 8254A **Souvenir Andre Chaudron.** 1 ft. Upright habit, dark blue, freely produced. Pkt., 25c.

Oenothera (Evening Primrose) ①

Culture: B, D or E, Page 67

Showy plants flowering from June to October.

- 8261 **Missouriensis (Macrocarpa).** 1 ft. Long trailing stems with yellow flowers. Pkt., 10c.

Pachysandra (Japanese Spurge)

- ×**Terminalis.** 4 to 6 in. Deep green, evergreen foliage; thrives any shady place where grass will not grow. Strong **Pot Plants**, 3 for 65c; doz., \$2.00; 100, \$12.00. For planting large areas we can furnish rooted runners at \$8.00 per 100.



3356 MYOSOTIS Early Blue Bird. Pkt., 25c.

Myosotis ① (Forget-Me-Not)

Culture: C, Page 67

Lovely dwarf plant for damp places, spreading rapidly and covering the ground. Makes excellent edgings and carpetings for beds or borders of perennial plants. Plant Forget-Me-Nots over Tulip beds, or mix them with Primroses in a shady corner.

We list the seeds of Alpestris varieties among annuals.

8240 × **Palustris Semperflorens**. Dwarf blue, in flower from early spring until autumn. Thrives in almost any situation and is an ideal variety for rock gardens or edgings. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

3356 **Vaughan's Early Blue Bird**. 1 ft. A beautiful deep blue variety. A perennial which blooms from seed if sown early the first year. Pkt., 25c.

NATIVE WILD FLOWERS

7140 **Aquilegia Coerulea**. Pkt., 10c.

7120 **Aquilegia Canadensis**. Pkt., 10c.

7220 **Asclepias Tuberosa**. Pkt., 15c.

7807 **Euphorbia Corollata**. Pkt., 25c.

8118A **Liatris Pycnostachya**. Pkt., 25c.

8145 **Lobelia Cardinalis**. Pkt., 15c.

8326 **Pentstemon Grandiflorus**. Pkt., 25c.

4101 **Phacelia Campanularia**. Pkt., 10c.

8548 **Thermopsis Montana**. Pkt., 35c.

All the above are perennial except the Phacelia.

Polemonium (Jacob's Ladder) ①

Culture: B, D or E, Page 67

Free flowering hardy perennial herbs; belong to the Phlox order. They have graceful, pinnate leaves, and bear their flowers in loose heads. Showy plants for the mixed, sunny border, blossoming with the Tulips.

8380 **Coeruleum (Greek Valerian)**. 2 ft. Beautiful sky-blue flowers with golden anthers. April-July. Foliage fern-like. Pkt., 10c.

8381 — **Album**. White form of the above. Pkt., 10c.

8387 × **Reptans**. 6 in. Flower sprays china-blue. Mounds of beautiful blossoms. Pkt., 25c.

8388 **Richardsoni**. 18 in. Large sky-blue flowers with a yellow eye. May to Sept. Pkt., 25c.

Perennial Everlastings ①

For Winter Bouquets

7008 **Achillea Filipendula Parker's**. Pkt., 15c.

7788 **Echinops Ritro (Globe Thistle)**. Pkt., 10c.

7860 **Gypsophila Paniculata Fl. Pl.** Pkt., 25c.

8150 **Lunaria Biennis or Honesty**. Pkt., 10c.

8345 **Physalis Franchetti**. Pkt., 10c.

8520 **Statiche Latifolia (Sea Lavender)**. Pkt., 10c.

All the Perennial Ornamental Grasses.

Pentstemon (Beard Tongue) ①

Culture: B, D or E, Page 67

They are very showy, growing from 2 feet to 4 feet high, are rather bushy and have very long, slender spikes which bear many trumpet-shaped flowers.

7441 **Barbatus Torreyi (Chelone Barbata)**. 3½ ft. July-August. Bright red. Pkt., 15c.

8393 × **Blue Gem**. 1 ft. Compact with charming blue flowers. Pkt., 25c.

8335 **Digitalis**. 2 ft. June-July. White flowers with purple throat. Pkt., 25c.

8324 **Glaber**. 3 ft. July-Sept. Blue purple. Pkt., 25c.

8326 **Grandiflorus**. 3 ft. Lavender blue. Long-lasting flower. Pkt., 25c.

8330 **Hartwegi. Large Flowering Newest Hybrids**. Splendid assortment of colors. Pkt., 15c.

Garnet. The first of a new strain of hardy, large flowering Pentstemons. The plants have a succession of several 12-18 in. spikes, with bell-shaped flowers, rich garnet red in color. The flowers are excellent for cutting. Plants, each, 50c; 3 for \$1.50.

Platycodon ①

(Chinese Bell Flower)

Culture: B, D or E, Page 67

They resemble Campanulas, with dainty bell flowers on graceful stems, and are effective in the border foreground. They flower from June to September.

8360 **Grandiflorum**. 2-3 ft. Large handsome deep blue flowers. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

8365 — **Album**. White. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

8361 — **Mixture**. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50.

8366 — **Early Flowering Blue**. Pkt., 15c.

8367 — **Early Flowering White**. Pkt., 15c.

8363 — **New Giant Early Blue**. Oriental Bellflower. Immense blossoms of blue-violet, great bells spread to starry form. Sometimes variants of pure white, or white streaked with azure, will appear. Blooms first year as quickly as an annual. Pkt., 25c.

8364 — **New Giant Early White**. White form of above. Pkt., 25c.

8370 × **Mariesii Blue**. 1 ft. Deep blue dwarf. Pkt., 10c.

8375 × — **Alba**. White. Pkt., 10c.

Plumbago

Larpentae. 8 inches. Dwarf spreading habit covered with deep sky-blue flowers all summer. Rich color and abundance of bloom make ideal edging plant. Plants, 3 for \$1.00; doz., \$3.00.

Physostegia ①

(False Dragon Head)

Culture: B, D or E, Page 67

Spikes of flowers resembling tiny Snapdragons rise above attractive foliage. The buds and flowers grow on the stem as if growing four sides of a square; very attractive foliage. Blooms Aug.-Sept.

8350 **Virginica**. Dense bushes with spikes of delicate lavender-pink tubular flowers. June-September. 4 ft. Pkt., 10c.

Grandiflora "Vivid". 20 in. It blooms three weeks later than the other Physostegias; the individual flowers are larger and of a deeper, more vivid pink. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.

Physalis Franchetti ①

Culture: B, D or E, Page 67

8345 **Chinese Lantern Plant**. 1½ ft. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese lanterns, useful in winter bouquets. Pkt., 10c.

Potentilla (Cinquefoil) ①

Culture: C or B, Page 67

Perennials for culture in sunny borders, and are most useful for cutting. They have strawberry-like leaves and showy, single or double flowers of varying rich shades of color.

8400 **Double, Mixed**. All colors. Pkt., 25c.

8401 **Single, Mixed**. Pkt., 10c.

Poterium

Obtusum (Japanese Burnet). 3 ft. July-Sept. A rare hardy perennial of recent introduction. It has graceful pinnate foliage and crimson flowers, 2 inches long. Very ornamental and fine for cutting. 3 for \$1.25; doz., \$3.75.



PRIMULA Auricula. Plants, 3 for \$1.25; dozen, \$3.75.

Primula ①

There is a growing appreciation of the beauty of the amazingly varied Primrose family. Blossoming in April and May, their brilliant colors have few rivals in plantings along shady paths or in the rock garden. Seed germinates slowly, may be in the ground a year.

Culture: C or B, Page 67

× **Auricula. Large Flowering Mixed**. 6 in. Flowers in early spring in colors of yellow, brown and red. Plants, 3 for \$1.25; doz., \$3.75.

8405 × **Bullesiana Hybrida**. New hybrids of rose, orange, carmine, light and dark blue. Pkt., 50c.

8407 **Florindae**. 3 to 4 ft. It bears from late June to late in August, 60 to 80 fragrant bright yellow pendent flowers at the top of its stem. Does well in full sun—heavy soil; hardy in Illinois. Pkt., 50c.

Polyantha Type (Bunch Primrose)

These are showy, cluster-flowered, of exceptional size, thriving in rich, moist soil.

8420 **Veris Grandiflora Coerulea**. The beautiful blue Polyanthus, extra fine variety. Pkt. (50 seeds), 50c.

8416 × — **Grandiflora, Mixed**. An extra choice large flowered mixed strain. Pkt., 25c.

8417 × — **Munstead Strain**. A giant Polyanthus in many charming light shades. Pkt., 35c.

8419 — **Kleyonii**. Lusty growth with many large golden yellow flowers, shaded apricot in center. Pkt. (60 seeds), 25c. Plants, 3 for \$1.25; doz., \$3.75.

8418 × — **Lutea**. Yellow. Pkt., 15c.

Pueraria (Kudzu Vine) ①

Culture: A, B, D or E, Page 67

8425 **Thunbergiana (Jack - and - the - Bean - Stalk)**. 50 ft. Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Pkt., 15c.

For Roots, see Page 94.

Rudbeckia (Cone Flower) ①

Culture: B, D or E, Page 67

Hardy, free flowering and easily grown perennials belonging to the Daisy order. They are somewhat akin to the Sunflowers in habit. Excellent and showy plants for sunny or partially shaded borders, and for yielding flowers for cutting. Natives of N. America.

Herbstwald Autumn Tints. See Annual Pages.

Indian Maid. See Annual Pages.

Double Kelvedon Star. See Annual Pages.

8460 **Speciosa (Newmanii)**. 3 ft. Rich golden yellow with central black disc. Pkt., 15c.

Purpurea Grandiflora—See Echinacea Purpurea.

"The King". Is the forerunner of a race of new Coneflowers. A scarce European introduction of considerable value. Habit of growth similar to ordinary species but Daisy shape blossoms are larger, petals are held erect and color is distinct wine-red with large brown center cone. Flowers have long life, often remaining on the stems three weeks. 3 ft. July-Sept. 3 for \$1.50; doz., \$4.50.

Best New Perennial Phlox ①



PHLOX Daily Sketch. 3 for \$1.25; doz., \$3.75

STANDARD VARIETIES—Continued

- Thor. T.** A splendid variety of a lovely shade of deep salmon-pink suffused and overlaid with a scarlet glow. 3 for 85c; doz., \$2.50.
- Von Hochberg. M.** Large size blood-red blooms. The best deep red. 3 for \$1.50; doz., \$4.50.

Dwarf and Subulata Phlox

- 8341 Divaricata Canadensis.** Blooms early April. Fragrant lavender flowers on stems 10 inches high. Prefers shade. Pkt., 20c. 3 for \$1.00; doz., \$3.00; 100, \$20.00.
- Dixie Brilliant (Nivalis Sylvestris).** Low spreading grey-green foliage, covered in early spring with rosy red flowers. 1 inch diameter. 3 for \$1.25; doz., \$3.75.
- Subulata Alba.** Dainty white flowers in May. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Subulata Atro-Purpurea.** A new variety. Brilliant reddish purple flowers. 3 for 85c; doz., \$2.50.
- Subulata Rosea.** Dainty pink flowers. This and Alba are fine for graves. 3 for 85c; doz., \$2.50.
- Subulata Pink Cushion.** New. More compact, clearer pink than Rosea. 3 for 85c; doz., \$2.50.
- Subulata Vivid.** Most profuse bloomer of all. Bright pink, red eye. 3 for \$1.00; doz., \$3.00.

8340 PHLOX Decussata Mixed. 2-3 ft. (Seed Ready End of November or Early December.) This special mixture comes from a superior collection of large-flowering sorts. We flowered this mixture in our nursery last summer and were greatly pleased with the size of the flowers and flower-heads and colors. Perennial Phlox do not come true from seed and can be had only in mixture. Seed germinates slowly. Pkt., 25c.

For Phlox in Color, See Inside Back Cover.

Key to letters
D Dwarf M Medium T Tall

FAMOUS NEW VARIETIES

- Aida. D.** Deep rich purple. Plants, 3 for \$1.50; doz., \$4.50.
- Augusta.** (U. S. Patent No. 252.) Brilliant cherry red. 3 for \$1.50; doz., \$4.50.
- Columbia.** (U. S. Patent No. 118.) Cameo pink, faint blue eye. 3 for \$1.10; doz., \$3.30.
- Daily Sketch. M.** Immense flowers, light salmon pink with carmine eye. 3 for \$1.25; doz., \$3.75.
- Frau Alfred Von Mautner. M.** Superb brilliant orange scarlet. Plants, each, 75c; 3 for \$2.00.
- Harvest Fire. M.** Large heads, flaming salmon orange. 3 for \$1.50; doz., \$4.50.
- Leo Schlageter. New. D.** Outstanding vivid scarlet or flame red. Good foliage, large blooms. 3 for \$1.50; doz., \$4.50.
- Mary Louise. M.** Pure white head; extra large. One of the best. Plants, 3 for \$1.10; doz., \$3.30.
- Nordlicht. M.** Outstanding bright rose-pink with large deep rose center. 3 for \$1.50; doz., \$4.50.
- San Antonio. M.** Carmine-red shaded plum-red. Plants, 3 for \$1.75; doz., \$5.25.
- Sweetheart.** Beautiful deep salmon-pink. Plants, Each, 75c; 3 for \$2.00.

STANDARD VARIETIES

- Mixed.** 1-year field-grown plants of a choice mixture of colors. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Africa. T.** Carmine red with dark eye. Large trusses. 3 for \$1.00; doz., \$3.00.
- B. Comte. T.** Wine purple of satiny sheen. 3 for \$1.00; doz., \$3.00.
- Bridesmaid. T.** Pure white with diffused red center. 3 for 85c; doz., \$2.50.
- Border Queen.** Pure pink. Very large flowers. Plants, 3 for \$1.00; doz., \$2.50.
- Europa. T.** Large white florets with faint red center. 3 for 85c; doz., \$2.50.
- E. I. Farrington. M.** Delightful salmon shade with lighter eye. 3 for 85c; doz., \$2.50.
- Flora Reidy. M.** Pure white. 3 for 85c; doz., \$2.50.
- Feuerbrand. T.** Bright scarlet, tall with large heads. 3 for \$1.25; doz., \$3.75.
- Goliath. T.** Tall and early flowering. Light reddish purple. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Lillian.** Light salmon pink, large florets. 3 for \$1.00.
- Miss Lingard. T. (Suffruticosa.)** Earliest white. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Miss Von Lassberg. T.** Tall rapid growing, pure white. 3 for 85c; doz., \$2.50.
- Painted Lady. T.** Soft silvery pink with red eye. 3 for 85c; doz., \$2.50.
- Royal Purple. T.** Light purple. Strong grower. 3 for 85c; doz., \$2.50.



STOKESIA Cyanea

Stokesia (Stokes' Aster) ①

Culture: B, D or E, Page 67

- Large flowers, resembling a single Aster, prefer a light soil, and some winter protection.
- 8525 Cyanea.** 18 in. July-Oct. Flowers rich blue. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.
- 8526 —Alba.** Blush white. Pkt., 15c.
- 8535 —Mixed.** Blue and white. Pkt., 15c.
- Blue Moon.** A perfectly hardy and vigorous variety with exceptional merit. The vivid blue disc-like flowers, often 5-6 in. in diameter, are borne well above the plant on stems 12-18 inches long. Blooms throughout season. 3 for \$1.50; doz., \$4.50.

Ranunculus (Buttercup) ①

Culture: B, D or E, Page 67

Well-known double Buttercup, effective either as a cutflower or grouped in the hardy borders.

Acris Fl. Pl. (Double Buttercup). May-June. Yellow. Plants, 3 for 85c; doz., \$2.50.

8445 ROMNEYA Coulteri. 4 ft. Flowers large white with yellow centers and long yellow stamens. Fragrant. Does well in semi-arid midwestern states. Pkt., 15c.

Ruellia ①

Culture: B, D or E, Page 67

8450 Ciliosa. Starts to bloom in June and lasts till September. In form and coloring the flowers remind one of Petunia Heavenly Blue, with the same silvery sky blue and lavender reflections. Hardy and enduring perennial belonging to the Acanthus family. It likes full sun and hot dry places. Sown in very early spring will often bloom first year. Pkt., 25c.

Salvia ①

Culture: B, D or E, Page 67

Showy, hardy plants of medium growth and of easy cultivation in sunny borders. Grow on dry side and without fertilizer. The flowers are borne in spikes, racemes, or panicles, and are very attractive during the summer months.

8471 Azurea Grandiflora. 4 ft. September-October. Stately willow-like growth, spikes of pale blue flowers in great profusion. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

8475 Salvia Pitcheri. Delightful flowers of brightest azure blue, carried in long racemes. Foliage is silver dusted. Fully hardy and long lived perennial, that will nevertheless bloom the first year from seed if sown early. Pkt., 20c. Plants, 3 for \$1.00; doz., \$3.00.

8477 Pratisis. 2 ft. A violet blue. Pkt., 10c.

8478 Verbascifolia Syria. 5 ft. Makes a bold clump of foliage. Flower spikes 18 in. tall. Flowers dark blue. Pkt., 25c.

8480 Patens. 2 ft. Large, rich deep blue flowers. Roots can be wintered in cellar. Sept. Pkt., 25c.

Saponaria ①

Culture: B, D or E, Page 67

8482 X Ocymoides Splendens. 6 in. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers. June-August. Pkt., 10c.

Saxifraga (Megasea) ①

Culture: B, D or E, Page 67

The Saxifrages are one of the largest families of plants connected with rock gardening.

8485 X Mossy Varieties and Species, Mixed. 25c.

Sedum ①

Culture: B, D or E, Page 67

The species varies in habit from dwarf, creeping plants to those of larger growth, as the Spectabile grows upwards of 2 ft. high. Some, too, are of evergreen and others of deciduous growth, with more or less fleshy leaves. The dwarf kinds do well as edgings to borders, and others are suitable for grouping in the border.

8501 X Acre (Golden Moss). 3 in. A low spreading mossy growth. The bright yellow flowers completely cover the plants in June. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.00.

8502 X Coeruleum. 3 in. Pale blue. Pkt., 25c.

8504B Mixed Many Species. Pkt., 25c.

Spectabile. Rose colored flower head. 18 inches high. Aug.-Sept. 3 for \$1.00; doz., \$3.00

Spurium. Rosy crimson. 6 inches. July-August. 3 for 85c; doz., \$2.50.

8507A X SEMPERVIVUM ① (Hen and Chickens)
Perennial Hybrids Mixed. Pkt., 50c.

Statice (Sea Lavender) ①

Culture: B, D or E, Page 67

They are stemless, the leaves springing direct from the root stock; and the flower stems are more or less twiggy, bearing their small flowers in much-branched panicles. The flowers are useful for drying for winter.

8516 Caspia. The multitude of small flowers composed in spikes 2 to 3 ft. long, tender lilac. Pkt., 15c.

8515A Dumosa. It forms densely packed cushions of pure silvery grey flowers. Their stems are stiff and wiry; the panicles are thickly covered with blossoms. 2 ft. Pkt., 25c.

8520 Latifolia. 2 ft. Grown for its lovely lacy foliage and purplish blue minute flowers produced all summer and which, if cut and dried, is useful for winter bouquets. Pkt., 10c. Plants, 3 for \$1.00; doz., \$3.00.

8517 Perezii. Rich bright blue. Pkt., 25c.

Silene (Catchfly)

Culture: B, D or E, Page 67

A charming class of plants for the rock garden. They are closely allied to the Pink family and require much the same treatment. They bloom nearly all summer.

8508 Alpestris. 6 in. May to July. Sheets of glistening white flowers. Pkt., 25c.

8510 Orientalis. 2 ft. Deep rose flowers in terminal umbels. Pkt., 15c.

8509 X Schafta. 4 in. July-October. Bright rose. One of the best autumn border plants. Pkt., 15c.

8509A Saxifraga. 10 in. June to Aug. Flowers yellow, reddish-brown underneath. Pkt., 25c.

Thalictrum (Meadow Rue)

Culture: B, D or E, Page 67

Though not of bright and conspicuous color, the feathery flowers of the Thalictrums are decorative and interesting, and their leaves, resembling the maiden-hair fern, are attractive both in the border and when cut. They grow easily from seed.

8541 Aquilegifolium. (Feathered Columbine.) Handsome foliage; sepals white, stamens purple. 3 ft. Pkt., 15c.

8545 Diptercarpum. 4 to 5 ft. Aug.-Sept. Very graceful plumes of rosy-purple flowers with conspicuous yellow anthers. Pkt., 25c. Plants, 3 for \$1.50; doz., \$4.50.

8547 Glaucum. Fine cut glaucous foliage. Bronze-yellow flowers in June. 2 ft. Pkt., 15c.

Thermopsis

Culture: B, D or E, Page 67

8548 Caroliniana. 3 to 5 ft. June and July. The long, graceful spikes of yellow Lupin-like flowers blossom with the Delphiniums and provide an excellent foil for their blues. Pkt., 25c.

8548A Montana. Bright golden yellow flowers in June and July. Sow seeds in April outdoors in a sunny well drained position. 1 to 2 ft. Pkt., 50c.

THRIFT. See Armeria.

Thymus (Mountain Thyme)

Culture: B, D or E, Page 67

8549 X Serpyllum, Wild Thyme. Dwarf growing perennial herb with fragrant foliage. Delights in sunny spot, creeping habit. Purple flowers. Pkt., 25c.

Tritoma, Red Hot Poker

Culture: B, D or E, Page 67

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.

8556 Hybrida Early-Flowering Mixed. These hybrids contain many interesting colors. Pkt., 25c.

8558 Pfitzer's Hybrids. Orange scarlet. Pkt., 15c.

Grandis Pfitzeri. 2-3 ft. Aug.-Oct. The rich orange-scarlet flowers come freely in late summer and often continue till late October. The great waxy flowers make a vivid splash of color and are an excellent cut flower. 3 for 85c; doz., \$2.50; 100, \$15.00.

Trollius (Globe Flower)

Culture: C, Page 67

Globe flowers of unique character, of bright orange or yellow, and finely cut leaves, make this a desirable subject for moist, lightly shaded locations or pool sides. Better sown in fall, as seed needs freezing to germinate.

8551 Ledebouri. 2 ft. Orange flowers. Pkt., 50c. Plants, 3 for \$1.25; doz., \$3.75.

8553 —Golden Queen. 3 to 4 ft. Bearing large flowers. Petals golden, anthers orange yellow, and flowers in autumn as well as early summer. It comes practically true to type from seed. Pkt., 50c. Plants, 3 for \$1.25; doz., \$3.75.

8554 Hybridus Mixed. 20 in. Pkt., 25c.

New Hybrids. 2-3 ft. Colors range from pale yellow to dark orange. 3 for \$1.00; doz., \$3.00.

Tunica

Culture: B, D or E, Page 67

8559 X Saxifraga. A pretty tufted plant with light pink flowers, produced all summer. Useful either for the rockery or the border. Pkt., 15c.



VERONICA (Speedwell)

Verbascum (Mullein)

Culture: B, D or E, Page 67

Plants of stately growth. The leaves more or less woolly, and the flowers are borne in branched spikes. Belongs to the Foxglove order.

8569A Harkness Hybrids. 6 ft. Immense spikes well furnished with large pure yellow flowers during the whole summer. Pkt., 25c.

8568 Hybridum, Miss Willmott. The large white flowers are produced in stately spikes, rising 5 to 6 feet. July to frost. Pkt., 15c.

8567 Olympicum. 6 ft. Silvery foliage; golden yellow flowers borne in large pyramidal spikes. June-Sept. Pkt., 25c.

8569 Phoeniceum Hybrids. 2 ft. Bears white, purple, rose or red flowers in erect spikes. Pkt., 25c.

Valeriana (Garden Heliotrope)

Culture: B, D or E, Page 67

8559A Alba. Pure white, fragrant. Flowers in June, one of the most charming perennials. Pkt., 10c.

8560 Rubra. 2 ft. Showy heads of old rose flowers in umbels on 12 inch stems. Pkt., 10c.

8561 Mixed. The above two. Pkt., 10c.

8562 Officinalis. 3 to 4 ft. Produces showy heads of rose-tinted white flowers during June-July with delicious strong Heliotrope odor. Pkt., 25c.



YUCCA Filamentosa

Yucca (Adam's Needle)

Culture: B, D or E, Page 67

8585 Filamentosa. 5-6 ft. or more. June-July. Broad sword-like evergreen foliage. The flowering stalks are 6 feet high, with large creamy white flowers. It likes loose dry soil and a warm situation. Pkt., 10c. Plants, 3 for \$1.25; doz., \$3.75.

Veronica (Speedwell)

Culture: B, D or E, Page 67

Hardy, herbaceous perennials varying in height from a few inches to 3 or 4 ft., and bearing blue or white flowers in terminal spikes or racemes.

8577 X Incana. White woolly plant, numerous blue flowers. 12 in. June-July. Pkt., 25c.

8576 Longifolia. 2½ ft. Spikes of light blue flowers, glaucous blue foliage. July-Sept. Pkt., 15c.

8572 —Hendersoni Nana. 15 to 18 in. Flower spikes are a deep navy blue. Pkt., 25c.

8570 Spicata. Blue. 2 ft. July-August. Flowers violet blue in long spikes. Pkt., 15c. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.

8574 X Teucrium Royal Blue. 12 in. May-June. Prostrate foliage, brilliant blue flowers. Pkt., 15c.

8575 Perennial Varieties, Mixed. Pkt., 15c.

VERONICA Subsessilis (Japanese Speedwell). 2 ft. July-Sept. Conceded to be the best of the Veronicas. It blooms latest of all; the large spikes of dark blue flowers are borne on stiff stems well above the foliage. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.

Vinca Minor (Grave Myrtle) X

Valuable for rockeries or makes a fine evergreen carpet under and about shrubs and trees. 4 in. June. Green foliage, large blue flowers. Plants, 3 for 65c; doz., \$2.00; 100, \$10.00.

Bowles Variety. A new European form, showing great improvement over the ordinary type. Larger and glossier leaves and flowers. The plant stays in bloom much longer, and the flowers are a charming intense shade of periwinkle blue. 3 for 85c; doz., \$2.50; 100, \$15.00.

Viola Cornuta

For Seeds—See Annual and Novelty Pages.

X Jersey Gem. Short, bushy growth, blooming throughout the summer, having flowers of rich pure violet, large and fragrant. Long stems make it a good cut flower. Plants, 3 for 85c; doz., \$2.50.

Improved Wedgewood. A splendid new reliable hardy Viola, with all the fine habits of a good garden plant. In bloom from early spring till late fall. At two years old the plant is compact and 18 to 24 inches in diameter. The large flowers of deep blue with small brilliant yellow eye have long stems and are produced in great profusion. 3 for \$1.00; doz., \$3.00; 100, \$20.00.

Viola (Violet)

Culture: C, Page 67

8581 X Bosniaca. Free blooming, small rose magenta flowers. Pkt., 25c.

Calcarata. See Novelty Pages.

Jovi. See Novelty Pages.

Nigra, or Black Imp. See Novelty Pages.

PLANTS OF HARDY SWEET VIOLETS

X Frey's Fragrant. Large deep purple single blooms, standing well above the heavy foliage. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

X Prince of Wales. Grows anywhere. Large single, fragrant. Plants, 3 for 85c; doz., \$2.50.

X Double Russian. The true hardy double violet. Very double, dark purple flowers, intensely fragrant. Plant in shade and mulch. Plants, 3 for \$1.00; doz., \$3.00.

X Rosina. New. This charming variety has an abundance of very fragrant, rose-pink flowers. It also blooms more freely in Autumn than other varieties; very often it will bloom all October. Extremely hardy and a gem for the shady corner. Plants, 3 for \$1.25; doz., \$3.75.

8589 WISTERIA Chinensis Blue. Climber, purplish pea-shaped flowers. Pkt., 10c.

PERENNIAL SEED MIXTURES

Mixtures of perennial seeds similar to our popular surprise garden of annuals.

8600 Dwarf. 6 to 15 in. **8601 Medium.** 18 to 36 in.

8602 Tall Sorts Mixed. 3 ft. and upwards.

Each of above, per pkt., 25c; three pkts. for 65c.



FIRMING THE SOIL



MARKING THE ROWS



SOWING THE SEED



COVERING THE SEED

SOWING SEEDS IN THE INDOOR BOX

FLOWER SEED CULTURES—HOW TO SOW

IN FIVE paragraphs below, designated A, B, C, D and E, we cover in considerable detail the methods of starting flower seeds which are available to the amateur without a greenhouse, and which cover well the needs of an outdoor garden. In the flower seed section in the case of each flower listed, information is given as to the cultural methods which can be used for that subject.

A Sow in the bed, border or row where the plants are to grow. The soil should be loamy, with well pulverized surface. With heavy soil inclined to cake and crack, it is usually best to grow plants in a seed bed (B) and transplant to the permanent place. Loosen the soil where seeds are to be sown, with the trowel, or hoe, several inches deep. Rake smooth. Broadcast small seeds and cover them lightly four or five times their diameter. Very small seeds may be merely pressed in. Larger seeds may be planted singly, well covered, but more thickly than plants are wanted. Firm the soil well over the seed. Watering now becomes of great importance. At no time should the soil be allowed to become hard and dry, yet excessive watering may cause the seeds to rot, sour the soil, or cause "damping off." When the plants appear, thin them out, allowing each to grow singly, without crowding. The distance between them is governed by their ultimate size and spread. Excess plants may usually be moved to a new location.

B Sow in outdoor seed bed, to be transplanted. The seed bed in the open should be of loose, mellow loam, raised slightly above the surrounding surface, and preferably surrounded by a wooden curb, to prevent rain washing across it. It should not be wider than four feet, so it can be worked easily. Shelter from high winds is valuable, but damp and shady corners are not desirable. Full sun is advisable when seedlings are up, while shade when needed, as in mid-summer for perennial seedlings, is best supplied by a lath or cloth canopy, which can be removed in damp and cloudy weather. Sow the seeds in rows which may be as close as five inches. Sowing and watering are the same as described in "A" above. Seedlings may be transplanted when they make true leaves, the second pair of leaves to appear; or they may be left until larger before being moved to their permanent location. Perennials should be moved from the seed bed to a nursery row, to grow until fall before being moved to the border.

C Sow in flat, pot or pan outdoors or in a cold frame. This method is applicable to slow germinating subjects, some of which may take a year to germinate. Fill the receptacle with potting soil as described in "D," firm the soil and broadcast the seed, covering four or five times their diameter. Place the receptacle in a shaded location, where there is free air circulation. During the spring, summer and fall, water often enough to prevent soil from drying out.

While our cultural instructions are definite, detailed and exceptionally thorough, they should be supplemented by reading in good gardening books and by obtaining, at first hand, advice from successful gardeners in your neighborhood. Success in gardening requires study, and the opportunity for enlarging one's information and trying out new things is one of the most fascinating features of gardening.

A mulch of peat moss will help retain moisture. In winter, place in a protected place outdoors and cover with leaves. Have patience with slow germinating subjects; do not disturb too quickly. Any live seed will eventually grow if given time enough, provided soil, moisture supply, etc., are right. When seedlings appear and make true leaves, transplant to pots, nursery row or permanent location. If moss forms on soil surface, sprinkle fresh earth over top.

D Sow indoors in a box, pot or pan. This method may be followed where there is a window facing south, enjoying sunlight most of the day. Use a standard florists' pot or pan (shallow pot) or a "flat", which is a shallow box, with holes bored in the bottom for drainage. Cover the drainage holes in pot or box with broken pottery; fill with potting soil. This is a mixture of half sand and half black loam. It may be obtained from florists. Firm the soil, and sow the seeds in rows, marking each row to identify the sowing. Water by setting the box or pot in water, so that it soaks up from below, or use a fine spray which does not wash the soil. Place in a dark place, covered with a wet newspaper blanket until the seeds sprout. As soon as sprouts appear bring into full light. Cover the box or pot with glass to check evaporation, but when moisture collects on glass wipe it off, and prop up one end of the glass to allow air to circulate during the sunny part of the day. A temperature not below 50 degrees at night, or 75 degrees by day, is best. Do not allow the soil to dry out. When the seedlings have made true leaves (the second set), they should be transplanted to other flats, giving at least two inches of space apart; or they may be moved to small pots or to an outdoor seed bed or border.

E Sow in a hot bed or cold frame. A cold frame or a hot bed heated by manure or other means may be used. The best method with flower seeds is to sow seeds in flats, which are placed in the frame. With manure heated beds, seeds should not be sown until the temperature of the newly made bed has dropped to 90 degrees. Watering and ventilation are important. On sunny spring days, always prop up one end of the sash to prevent overheating, which may occur quickly and cause spindly growth. Do not allow the soil to dry out. When the seedlings have made true leaves, they should be transplanted to other flats, spaced two inches apart each way; or to the soil in the hot-bed, or to an outdoor location, if late enough.

GARDEN GUIDE. Amateur Gardeners' Handbook. Deals thoroughly with most effective handling of every growing thing in the garden and home grounds. 300 photographic illustrations. 576 pages. \$2.00.

THE PRACTICAL ENCYCLOPEDIA OF GARDENING (The Garden Dictionary) edited by Norman Taylor. The Practical Encyclopedia of Gardening covers all phases of gardening in the United States and Southern Canada, providing in a convenient single volume the answers to almost every conceivable garden question. This is without question the most complete one-volume on gardening ever published. It contains 898 pages, page size 8x10 3/4, bound in green buckram, emerald green top, dark green ink stamping on front cover, 5-color and cellophane laminated jacket. It is illustrated throughout with line drawings and with 20 four-color illustrations. Formerly at \$7.50. Thumb-indexed edition, \$3.95; Without Thumb-Index, \$3.49.

FIVE ACRES AND INDEPENDENCE. By M. G. Kains. A practical guide to the selection and management of the small farm. The author's detailed advice and explanation on every topic treated leaves little chance for even unskilled persons to go wrong. This book contains 77 illustrations and diagrams. 401 pages. \$2.50.

Gardening Books

We find it impossible to catalogue our complete line of books, but should you be interested in any horticultural subject not covered, write for our book list.

GARDEN ENCYCLOPEDIA, AN ENCYCLOPEDIA OF GARDENING. Written by a group of American horticultural experts and edited by E. L. D. Seymour, B. S. A. A single big volume that gives you the scope and contents of a whole shelf full of garden books. More complete than any other garden book ever prepared. 1,300 pages, 750 illustrations, including 250 photographs, \$1.98.

GARDEN FLOWERS IN COLOR. By G. A. Stevens. The 400 brilliant and lifelike color plates of flowers contained in this book make it the greatest value that has ever appeared in picture books. And in the IMPERIAL EDITION of this popular book, the 400 color plates average less than 1/2c apiece. 320 pages, \$1.98.

THE LAWN: How To Make It And How To Maintain It. By Charles W. Parker. All you need to know to make a beautiful lawn from the ground up. Completely illustrated with line cuts and 8 pages of plates. 118 pages. \$1.00.

FERTILIZERS. By A. F. Gustafson, Ph.D. Requirements for Plant Growth. Nitrogenous Fertilizer Materials. Phosphatic Fertilizer Materials. Potash Fertilizer Materials. Fertilizer Effects on Soils and Crops. Factory-Mixed Fertilizers. Home-Mixing of Fertilizers. Purchase and Use of Fertilizers. Liming in Relation to Fertilizer Practice. Illustrated. 172 pages. 5 1/2x8. Cloth. \$1.75.

HOW TO LANDSCAPE YOUR GROUNDS. By Loyal R. Johnson. For the benefit of the hundreds of thousands of home builders and owners in the medium income bracket who are anxious to beautify their home surroundings to the best advantage at small expense. Extensive select Lists of Shrubs, Trees and Vines. A complete guide to the planning, construction and planting of the garden and grounds. 232 pages. 147 illustrations. \$2.75.

PLANTS IN THE HOME. By Frank K. Balthis. Almost everyone is interested in having plants in the house, and this latest book gives explicit directions for growing those that will lend variety to your collection. There are lists of plants for window gardens, bulb, fern and foliage arrangements, and all of the basic principles are fully discussed. Beautifully illustrated; 172 pages; 8x10 inches. \$2.50.

House Plants from Seed

ANTIRRHINUM Snapdragon

For Greenhouse Forcing.

Culture: D or E, Page 67

See Also Novelties and General List of Annuals

	BRONZE	Pkt.
362	Afterglow. Golden bronze.	\$0.50
397	New Deal. Early fragrant golden bronze.	.50
400	Suntan. Rose shade of tan yellow lip.	.50

LAVENDER

367	Bertha Bauer Standard lavender	.50
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RED

407C	Velvet Beauty. Rich American Beauty color.	.50
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ROSE AND PINK SHADES

375	Cheviot Maid Supreme. Deep rose pink	.50
378A	Daybreak. Briarcliff shade of pink	.50
408A	Rose Queen. Dark pink	.50

WHITE

372	Cheviot Maid White	.50
395	Lucky Strike. Early flowering	.50

YELLOW

374	Ceylon Court. Dark canary yellow	.50
409A	Cheviot Maid Yellow	.50
380	Ethel. Bright yellow	.50

426 VAUGHAN'S MIXTURE OF GREENHOUSE VARIETIES. A mixture of the forcing varieties we list. Pkt., 50c.

ASPARAGUS

Culture: C. Pot up in fall, force in greenhouse. Page 67

- 480 Plumous Nanus. + 3 ft. Pkt. 25 seeds 15c; 100 seeds, 50c.
- 485 Sprengeri. + Finest material for hanging baskets. Pkt. 25 seeds, 15c; 100 seeds, 50c.

CALCEOLARIA +

Culture: C. Pot up in fall, force in greenhouse. Page 67

- 1180 Hybrid Grandiflora Extra Choice Mixed. 1½ ft. A colorful greenhouse plant bearing a profusion of small, pocket-shaped orange or yellow flowers, many of which are beautifully tigered or spotted. Pkt. (300 seeds), 50c.
- 1179 Multiflora Nana, Mixed. The average size of the blooms is only 1½ inch, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. Pkt., \$1.00.
- 1183 Flower Cloud. A cross between Rugosa and Grandiflora. Free flowering in all colors, very vigorous in growth. Pkt., \$1.00.
- 1185 Rugosa, Mixed. Includes nearly all the beautiful colors found in Calceolarias. Pkt., 25c.

CINERARIA Hybrid +

Culture: C. Pot up in fall, force in cool greenhouse Page 67

- 1715 Vaughan's Columbian Mixture. A mixture of the finest strains; the flowers from 7 to 9 inches in circumference, brilliant colors. Pkt. (75 seeds), 25c.
- 1716 Cremer's Prize Mixture. The petals in most of the blooms of this strain are wide, numerous and overlap well to form attractive heads. The plants can be finished in smaller pots, too, making shapely specimens covered with masses of blooms. Pkt., 50c.
- 1718 Potsdam Strain, Mixed (Berlin Market or Weissense). Taller and larger flowered than Cremer's Prize mixture. Pkt., 50c.
- 1723 Polyantha Feltham Beauty. Dwarf, with large flowers and broad petals, but retaining the true star shape. Fine for cutting. Pkt., 35c.

CYCLAMEN Persicum Giganteum +

Culture: C. Pot up in fall, force in greenhouse. Page 67

2010 Mixed. Colors are vivid and varied. 10 seeds, 25c; 25 seeds, 60c.

DRACAENA

Culture: C, Page 67

- 2350 Indivisa □ + 2 ft. Ornamental leaved plants; long narrow green leaved foliage. Pkt., 10c.



FREESIA

Culture: D, E or C, Page 67

- 2451 Dalrymple Special Strain. Large sweet scented flowers borne on long stems, in blue, lavender and many shades of yellow. Pkt. (50 seeds), 50c.
- 2456 Tubergenii. Yields a profusion of bloom and can be successfully flowered within six months from date of sowing. Yellow to bronze, bronzy-pink, deep rose, and mauve. Pkt., 35c.

GERANIUM +

Culture: D or E, Page 67

- These grow readily from seed the first year and produce blooming plants the first summer.
- 2490 Large Flowering. Newest Varieties Mixed. Pkt. (50 seeds), 15c.

GLOXINIA

Culture: D or E, Page 67

- 2560 Vaughan's International Mixture. + 12 in. Magnificent house-blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. Pkt., 25c.

GLORY OF THE SUN

- 3008 Leucocoryne Ixioides Odorata. Heads of large fragrant flowers, blue with white centers, carried gracefully on a wiry 18 in. stem. Culture the same as for Freesias. It is a tender perennial, flowers the second year from bulbs produced the preceding year. Seed germinates very slowly and irregularly. Pkt. (100 seeds), 35c.

LISIANTHUS

Culture: D or E, Page 67

- 3038 Russellianus (Eustoma). An excellent pot plant with rich violet blue flowers with black center and yellow stamens. Sow in heat in Spring, keep fairly moist during Summer. Blooms in four months from seed. Upright and compact free flowering habit. Pkt., 50c.

MARIGOLD

Culture: D or E, Page 67

- 3122 Lieb's Winter Flowering. Mahogany brown with golden yellow crested center. Pkt., 25c.
- 3125 Lieb's Winter Flowering Sunshine. Golden orange, yellow center. Pkt., 25c.

MIGNONETTE

Culture: D or E, Page 67

- 3224 The Ball. The flower spikes are especially heavy and lighter in color than other varieties. Pkt., 50c.

PANSY

Culture: A, B or C, Page 67

- 3841 Vaughan's Long Stemmed Winter Flowering Re-selected Mixed. It has a much wider color range than the original Winter Flowering strain and has an excellent stem length, averaging better than 10 in. The bloom size is from 2½ to 3 in. and the flowers are of very good substance. Sow in summer for Midwinter blooming. Pkt., 50c.

PRIMULA (Chinese Primrose) ÷

Culture: D, C or E, Page 67

- 4465 Vaughan's International Mixture. Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. Pkt. (100 seeds), 35c.

Primula—Various Sorts

Culture: C (May-July). Pot up July-Sept. Page 67

NEW GIANT MALACOIDES

4467 Double Fairy Jewels. The color is a lovely rich rose pink, deeper in the center than the outer or older petals. 200 seeds, 50c.

4469 Snow Flake. Has flowers of the purest shimmering snow white one can imagine. 200 seeds, 35c.

4470 Mixture. Contains a good many varieties still in the developmental stage. 200 seeds, 35c.

- 4475 Malacoides. 10 in. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. Pkt., 25c.

4471 —Brilliance. Opens lavender, changing to crimson red. Pkt., 50c.

4476 —Dawkins Carmine Pink. A vivid and distinct color. Pkt., 50c.

4472 —Princess Mary. Deep rose pink. Pkt., 25c.

4477 —Double White. Pkt., 50c.

Primula Obconica Grandiflora

Culture: D or E (Jan.-April); C (May-July). Winter in greenhouse. Germination 3-4 weeks. Page 67

4484 Avalanche. Pure white.

4487 Fassbender Red. Large rich deep red.

4490 Rose Queen. Pink.

4486 Sky Blue.

Each of the above, pkt. (200 seeds), 50c.

4495 Obconica Grandiflora Mixed. Good mixture. Pkt. (200 seeds), 25c.

4493 Double Portland Beauty. Ranging in color from light pink to rose-pink. Pkt. (250 seeds), \$1.00.

SAINTPAULIA ÷ 4 in.

Culture: D or E, Page 67

- 4589 Ionantha Grandiflora African Violet. A free and long-flowering pot plant. Plants are dwarf, leaves like a Gloxinia, flowers beautiful blue with golden anthers, resembling large single sweet-scented Violet. Pkt., 50c.

SMILAX 6 ft.

Culture: D or E, Page 67

- 4780 Makes a fine pot or basket plant. Elegant for table decoration when cut. Pkt., 15c.

SOLANUM ORNAMENTAL PEPPER OR CHRISTMAS CHERRY

Culture: C or D, Page 67

- 4789 Hlavacek's Masterpiece. Compact and produces many more cherries than the old type. Pkt., 25c.

4790 Cleveland Red Cherry. Pkt., 20c.

STEVIA

Culture: D or E, Page 67

- 4825 Serrata. 2 ft. Free-blooming plants, bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming and cutting. Pkt., 15c.

STREPTOCARPUS

Culture: D or E, Page 67

- 4826 Largest Hybrids. + 9 in. Handsome pot plants, bearing for a long time in succession large trumpet-shaped flowers, ranging from lavender, purple, and rose to pure white. Seedlings raised in early spring flower in summer. Pkt., 35c.

Three Hardy Water Lilies

Prepaid 600 Miles \$2.50
Value \$5.25

One each of the three choicest in their colors, Somptuosa, giant pink; Sioux, sunset; Hermine, (see below for full descriptions of these marvelous hardies).

For all its beauty, no plant is less exacting than the Water Lily. Full sun—warm water—and a bushel of soil per plant (even less for the tub varieties) are all these exotic beauties demand to produce flowers through the entire summer.

Hardy Water Lilies

This group requires less heat and will bloom earlier in spring. Can be carried over winter by the amateur with some protection. While flowers are smaller, they are borne over a longer season than the Tropicals.

HARDY WATER LILIES

- Attraction.** (Garnet-red with ruby shading.) Standard high-quality red. \$2.00.
- Chromatella.** (Pure canary yellow.) Very free, vigorous. \$1.25.
- Escarboucle.** (Bright crimson and scarlet.) Striking color. \$2.00.
- Gloriosa.** (Deep carmine-rose.) Free and vigorous. \$2.00.

- Gonnere.** (Pure white.) A snowball with over 80 petals. \$2.00.
- Hermine.** (Pure white.) Best white for small pools—Long buds. \$1.50.
- James Brydon.** (Rose-crimson.) A fine red, free. Small growth. \$1.75.
- Marliac Rose.** An old but satisfactory free blooming pink. \$1.25.
- Marliac White.** (Ivory white.) An old favorite, always good. \$1.00.
- Paul Harriot.** (Changeable.) Opens soft yellow, deepens to apricot. \$1.25.
- Sioux.** (Changeable.) Largest sunset-color. Opens brassy yellow, deepens to blood red. \$1.75.
- Somptuosa.** (Pink.) Largest of all true pinks. Spectacular. \$2.00.



WATER LILY, MRS. W. R. JAMES

Two Tropical Water Lilies \$3.50

Prepaid 600 miles. Catalogue Value \$4.25

One each Mrs. James, finest pink; and Mrs. George Pring, pure white (see below for descriptions of these outstanding varieties).

Tropical Water Lilies

Although these cannot be set out until after June 1st in the vicinity of Chicago, by August 1st they have produced dozens of huge flowers. Must have warm water with full exposure to sun. All listed are day bloomers.

- August Koch.** Small, but lovely lavender flowers. Free. \$2.00.
- Frances Beardsley Griffith.** Outstanding royal purple. \$2.25.
- Mrs. W. R. James.** A larger, better pink than Pershing. \$2.25.
- Mrs. Edw. Whitaker.** The largest sky blue, very free. \$2.00.
- Mrs. George Pring.** The most satisfactory white tropical. \$2.00.
- Pink Pearl.** Bright pink, free flowering and vigorous.

COLLECTION FOR TUB OR SMALL POOL. Complete..... \$200

One dwarf water lily (our selection of variety, but your choice of color: pink, yellow, red, changeable, or white); also two floating plants, three submerged aquatic plants, and six Iris versicolor for the edge of the pool. (By mail, add 15c for postage.)

COLLECTION FOR AVERAGE SIZE POOL. Complete..... \$375

Two hardy water lilies (our selection of variety, but your choice of colors: white, red, pink, changeable, or yellow); also six floating plants, three bunches of submerged aquatic plants, and six assorted bog plants for marginal planting. (By mail, add 25c for postage.)

Peonies

Peonies may be planted in Spring with good results, but they should be put in early. Orders should be sent at once so that we can forward when weather permits.

- Edulis Superba.** (7.6) Usually blooms for Decoration Day. The large flowers are a beautiful deep, vivid pink, and are borne profusely on tall, strong stems. One of the most fragrant of all Peonies and one of the best for cut flowers in its color and season. 50c.
- Felix Crousse.** (8.4) Its large, globular flowers, solid and compactly built from edge to center, are a rich, even, brilliant, dazzling ruby-red. Late mid-season. 50c.
- Mad. de Verneville.** (7.9) Very full and double, pure white, center tinted blush. Exquisite rose fragrance. Very beautiful reliable bloomer; early. 50c.

Special Offer No. 69. One each of the above 3 Peonies (value \$1.50) for \$1.00 (Postage and Packing, 15c additional)

- Nymphaea.** (8.8) Large flat flower of delicate creamy white. Yellow stamens reflex a golden light throughout the flower. Midseason. 75c.
- Karl Rosefeldt.** Mammoth blooms of rich velvety crimson; early midseason. 75c.
- Officialis Rubra Plena.** This is the old-fashioned, very early brilliant red peony. 75c.
- Reine Hortense.** One of the finest of all Peonies. Very large flowers of beautiful light pink. 75c.
- Tenuifolia Flore Pleno.** A very early species, in bloom two weeks ahead of any other Peony. Flowers are a full-double brilliant crimson and the foliage is finely cut like that of the Cosmos. Should be mulched the first winter after planting. \$2.00.

Special Offer Single Peonies No. 69B. One each of Gold Mine (rose-pink) 75c; Nymphaea (flesh-pink) 60c; and Torpilleur (purplish-carmine) 60c; (value, \$1.95) for \$1.00. (Postage and Packing, 15c additional.)

100 Strawberry Plants, \$1.50

Special Offer No. 69C. A Strawberry collection, 100 fine strong plants (spring delivery only) in four good sorts, our selection, postpaid, for \$1.50.

Strong Field Grown Plants, Shipped from Early Spring up to May 15

- AROMA.** Late. One of the most popular late varieties. Berry is roundish, conical, smooth and of a beautiful bright glossy red.
 - COOPER.** Midseason. The large size and the beautiful brilliant color of the berries immediately attract the attention of every one. This variety is adaptable to a wider range of soils and climate than any other variety.
 - DR. BURRELL.** Midseason. The berries are large, delicious and beautifully formed. It ripens a few days earlier than Dunlap.
 - GIBSON.** Medium early. Color rich red. Flavor is neither sweet nor sour, but just right for canning.
 - DORSETT.** Early. Will undoubtedly be a leader among early, heavy cropping varieties.
 - SENATOR DUNLAP.** Midseason. The fruit is dark red with glossy finish. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere and with everybody—the beginner as well as the veteran grower.
- PRICE, on the above varieties, postpaid to 4th zone, 25 for 65c; 100 for \$1.35. By express, at buyer's expense, 250 for \$2.50; 500 for \$4.50; 1,000 for \$8.00.

TWO EARLY VARIETIES

- PREMIER.** Early. Berries are large, beautifully formed, red through and through; flavor delicious. A splendid shipper.
 - FAIRFAX.** Medium early. Rich in flavor, uniformly large fruit in abundance.
- PRICE, 25 for 75c; 100 for \$1.50, postpaid to 4th zone, 500 for \$5.00; 1,000 for \$9.00, by express.

TWO EVERBEARERS

- GEM.** A good medium size, heavier producing everbearing berry. Fine quality and firm everbearer. Produces during late summer months large size berries of fine appearance and flavor.
 - MASTODON (Everbearing).** The world's greatest.
- Price, 25 for 90c; 100 for \$2.75, postpaid to 4th zone, 250 for \$4.75; 500 for \$8.00; 1,000 for \$15.00, by express.

Four Choice New Grapes \$1.50

One each of 4 varieties listed. (Postage and packing, 15c additional.)

- CACO (Red).** This is the most beautiful of the hardy grapes. The bunches are large and compact, of good size and form, color wine-red with abundant bloom. Fruit is sweet and palatable weeks before fully ripe.
- FREDONIA (Black).** The earliest good black grape, ripening about three weeks before most varieties. Clusters of medium size and compact; the berries large, with firm tender flesh of very good quality.

PORTLAND (White). This is the earliest of all grapes. Large in bunch and berry; flesh sweet, juicy and of fine color. Hardy, vigorous, productive.

SHERIDAN (Black). Probably the most valuable grape sent out by the New York Experiment Station, as it is expected to replace Concord, which it surpasses in many regions. Large in bunch and berry; keeps and ships well. Good quality.

Price of above 4 varieties, 2 yr. No. 1, 50c each; 3 for \$1.25.

Vaughan's Vegetable Seeds



for your Defense Garden

A vegetable garden at your kitchen door this spring will not only serve as a protection to your family's health, insurance against a rising cost of living and a contribution to national defense; it will give you food with a flavor, tenderness and nutrition value, such as you cannot find anywhere else than in a home garden. We specialize in seed of the finest strains, of the highest table quality.

Artichokes

THE Artichoke is grown for its edible blossoms. It is a perennial but will not stand freezing. It requires renewing every two or three years.

Jerusalem Artichoke Roots. About five bushels plant an acre, enough to keep 20 to 30 hogs from Oct. to April. Cut and plant like potatoes. In Europe the tubers are baked, like potatoes, and esteemed as food because of their distinctive flavor. They grow in a wild form in the United States. Tubers can be supplied in March and April. Lb., 25c; 3 lbs., 50c; 10 lbs., \$1.25. Write for quantity prices.

Asparagus

Green Asparagus Supplies in 1½ oz. cooked portion: Vitamin A, 13 I.U.; Vitamin B1, 22 I.U.; Vitamin C, 7 Milligrams.

ASPARAGUS from the home garden is one of the most delicious and earliest of crops. It may be grown in any deep, rich soil, either from seed or roots.

SEED PLANTING — Asparagus may be raised from seed and a crop obtained in three years. One ounce of seed will sow 100 feet of row, producing 300 plants.

ROOT PLANTING — A year may be saved by buying the plants and setting them two feet apart in the row, and the rows four feet apart.

WASHINGTON RUST-RESISTANT STRAIN. Developed by the experts of the United States Department of Agriculture, which originated this strain. Rust-proof plants are preferred by commercial growers. The most satisfactory strain is **MARY WASHINGTON.**

Mary Washington. Pkt., 10c; oz., 15c; ¼ lb., 40c.

Paradise. This is comparatively a new introduction and is claimed to be superior to the Washington strains in the following points: yields heavier, produces a crop one year earlier and has a very mild delicious flavor. It is claimed to produce as much as five tons of cut Asparagus in one season. Pkt., 20c; ½ oz., 40c; oz., 75c.

ASPARAGUS ROOTS

	1-Year Old	2-Year Old
Mary	Doz. 100 \$2.25	1000 Doz. 100 \$18.00
Washington	\$5.00	\$0.60 \$2.50

If by mail, add postage as follows. 100, 50c.

Limas—Rich and Delicious

Lima Beans Supply in 3 oz. cooked portion: Vitamin A, 125 I.U.; Vitamin B1, 100 I.U.; Vitamin C, 90 Milligrams. They excel other vegetables in B1 value. Packet plants 20 ft.; lb., 150 ft.



BABY POTATO. Pkt., 10c.

LIMAS should be planted a little later than the other running Beans, in the most favorable location possible, as they are very late in maturing. Always plant with the eye down. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space but the pole limas yield better.

BUSH

★Fordhook Bush. 78 days. The highest quality Bush variety, it grows erect, and its large pods contain 4 to 5 large, thick green Beans. For heaviest yield give each plant at least 18 inches in the row. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., \$1.10.

★USDA 2 Henderson. About 60 days. A prolific yielder of small Beans, thriving in ordinary soil. Earlier than standard Henderson, recommended to replace it. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00; 5 lbs., \$1.50.

Baby Potato. 72 days. It resembles Henderson Bush, but with darker foliage, more productive and averaging more Beans to the pod. Good flavor and excellent for canning or freezing. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Burpee's Improved Bush. About 76 days. This has larger pods and Beans than the original. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 75c; 3 lbs., \$1.10.

Burpee's Bush. About 75 days. Large white seeds; very productive and splendid quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 3 lbs., \$1.00.

Jackson Wonder. 65 days. Like Henderson. Small Beans, buff mottled with purplish black. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

New Wonder Bush. In 76 days. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., \$1.00.

POLE

Packet plants 15 hills; lb., 100 hills.

★Succulence. 75 days. Earliest of pole limas, bears Beans slightly larger than Henderson's Bush. It is an exceptional producer and can be grown on a pole or allowed to run on the ground. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., 90c.

Early Leviathan. In about 83 days. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 70c; 3 lbs., 90c.

King of the Garden. In 85 days. A large podded, vigorous, immensely productive variety. The numerous pods, 5 to 7 inches long, are well filled with 5 to 6 large Beans of excellent quality. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., 90c.

Carolina Sieva. 77 days. Hardy, tall pole type, resembling Henderson Bush in other respects. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Florida Butter. 78 days. Similar to Carolina Sieva except seed instead of white is buff spotted brown. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Large White Seeded. About 85 days. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., 90c.

Edible Soy Beans

We offer four strains of edible Soy Beans, differing radically from the field varieties, developed to provide a valuable and palatable human food. Soy Beans have proteins, 36.5%; fats, 17.5%; compared with Navy Beans proteins, 22.7%; fats, 1.5%. They are esteemed highly as a food for diabetics. Yield is much heavier for same area than Navy Beans. University of Illinois, Urbana, Ill., will supply on request "Ways of Using Soy Beans as Food."

Bansei. 90 days. 18 to 24 in. tall, the earliest one and best in Northern districts. Pods 2½ x ½ x ¾ pale green turning to pale greenish yellow.

Willomi. 95 days. Plant 3 ft. tall, otherwise similar to Bansei.

Jogun. 98 days. Plant 30 in. tall, otherwise similar, to Bansei.

Hokkaido. 100 days. 30 in. tall, having more pods to the cluster, otherwise similar to Bansei. Above Soys, pkt., 10c; ½ lb., 15c; lb., 25c; 2 lbs., 45c; 3 lbs., 60c.

Beans Stand High Among Protective Foods

★ ★ ★ ★ ★ ★ ★ ★ ★ ★
**TO MAINTAIN FAMILY HEALTH
 FOR NATIONAL DEFENSE**

**Green Pod Beans Supply
 in one 3½ oz. portion, cooked:**

Vitamin A 600 I. U.
 " B¹ 20 I. U.
 " C 7 Milligrams
 " B²

★ **Plentiful.** Ready to pick in about 48 days. Though it has a dark green pod, it originated as a cross between Bountiful and Surecrop Stringless Wax. It is free from strings and fibre at all stages of growth. Delicious when half mature, it is also tender and without strings when it has reached its maximum size of 6 to 8 inches in length. This gives it an exceptionally long season of use. We recommend it for the home garden. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

★ **Tendergreen.** 52 days. A main crop variety of the stringless round pod type, with tall vines which carry their pods free of the ground. A heavy yielder, bearing long pods, fleshy and of excellent flavor. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 3 lbs., 85c.

★ **Streamliner.** Ready to pick in about 50 days. This tender, flat pod Bean averaging 8 to 10 inches long, bears white seed. Its long pods are stringless and quite free from fibre. If the vines are picked clean, the plants will bear all summer. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.10; 3 lbs., \$1.50.

★ **Wonderful.** About 56 days. New introduction having dark green foliage. Pods average one inch longer than Bountiful. Flat, stringless, slightly curved but excellent quality, pod similar in color to Tendergreen. Pkt., 20c; ½ lb., 45c; lb., 80c; 2 lbs., \$1.50.

★ **Bountiful Stringless.** Ready to pick in about 48 days. Of the heavy yielding, flat pod type, our strain of this variety is finest. One of the earliest, it produces straight pods, 7 inches long, half an inch wide, completely stringless, tender and brittle. It has a long season of bearing. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 3 lbs., 85c.

★ **Stringless Green Pod.** 50 days. Medium size bush, productive, bearing 5½ in. pods. Straight, stringless, tender, nearly round, fleshy. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 3 lbs., 85c.

★ **Commodore.** 75 days. A Bush Kentucky Wonder. Pkt., 15c; ½ lb., 30c; lb., 55c; 2 lbs., \$1.00.

★ **Medal Refugee.** About 64 days. All-American bronze medal 1942. Round, smooth, stringless, medium straight pods and white seed. Very prolific and recommended for home and canning use. Pkt., 25c; ½ lb., 65c; lb., \$1.00.

★ **Giant Stringless Green Pod.** In about 53 days. Later than Stringless Green Pod, which it equals in quality. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 3 lbs., 85c.

★ **Black Valentine Stringless.** About 52 days. An improved selection of Black Valentine, stringless, yet immune to light frosts. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 3 lbs., 85c.

★ **Red Valentine Stringless.** About 52 days. Hardest of Beans, germinating in cold ground, and resisting light frosts. Round fleshy pods, vines 15 in. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 3 lbs., 85c.

SHELL BEANS

★ **Dwarf Horticultural.** In about 100 days. Late, heavy yielding. Flat green pods spotted with red. Pkt., 10c; lb., 35c; 2 lbs., 65c.

★ **English Broad Windsor.** About 100 days. Best of class. Pkt., 10c; lb., 40c; 2 lbs., 75c.

★ **White Kidney.** In 100 days. Lb., 30c; 2 lbs., 50c; 3 lbs., 70c.

★ **Red Kidney.** In 110 days. Lb., 30c; 2 lbs., 50c; 3 lbs., 70c.

★ **White Marrow.** In 110 days. Lb., 30c; 2 lbs., 50c; 3 lbs., 70c.



TOP NOTCH GOLDEN WAX.
 52 days. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

QUALITY in Beans is measured by stringlessness; by tenderness, or the absence of fibre, or "linen" in the pod; by ability to produce well; a long, straight pod being preferred. After the harvest our Beans are hand-picked. The improvement in your crop far outweighs the increased cost.

Wax Beans

★ **Golden Bountiful.** 54 days. An extra early, perfectly stringless flat variety with black seed. The pods are large and of a golden yellow. In yield it is exceptionally heavy, like its green-pod namesake. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

★ **Gold Standard.** Matures in about 52 days. In earliness, table quality and heavy yield this new variety is outstanding. It has straight flat pods, seven inches long; perfectly stringless, tender and of excellent flavor. It is strongly recommended for the home garden. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., \$1.00.

★ **Wardwell's Kidney Wax.** Matures in about 53 days. The attractive golden yellow pods, seven inches long, are flat, brittle, stringless, straight, finely shaped and of excellent flavor. It is especially suited to midwestern conditions. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., \$1.15.

★ **Round Pod Kidney Wax** (Brittle Wax). Matures in about 55 days. The plant is erect, of medium size and a prolific bearer. The pods are a light yellow, 6 inches long, stringless and entirely without fibre. This variety has the highest table quality. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., \$1.15.

★ **Top Notch Golden Wax.** 52 days. Vines vigorous, medium size, producing heavily, rust resistant. Pods creamy yellow, straight, oval, stringless and brittle, 5½ in. long, having an excellent buttery flavor. Much heavier yielder, with longer pods than Improved Golden Wax, which it displaces. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., \$1.15.

★ **New Kidney Wax.** 53 days. A flat, long-podded stringless variety of highest table quality as well as a robust grower and high yielder. Pods 6 to 7 inches long, very thick and meaty. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., 90c.

★ **Pencil Pod Black Wax.** In about 52 days. Bushy vines, very prolific, 15 inches high, bear round, thick, stringless, rich yellow pods, 6 to 7 inches long, of excellent quality, black seed. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

★ **Unrivaled Wax.** About 53 days. Vigorous grower, slightly flattened pods, high quality. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

Inoculate Beans with Nitragin for better crops. Garden size, 10c; ½ bushel, 25c; bushel, 35c.

★ ★ ★ ★ ★ ★ ★ ★ ★ ★
**TO MAINTAIN FAMILY HEALTH
 FOR NATIONAL DEFENSE**

**Wax Pod Beans Supply
 in one 3½ oz. portion**

Vitamin A 410 I. U.
 " B¹ 25 I. U.
 " C
 " B²

POLE BEANS

THEY YIELD HEAVILY

POLE varieties are less hardy than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about two to three feet apart, and in each hill plant six to eight beans, thinning when well started to the four strongest. A packet plants 15 hills; 1 lb., 100 hills.

★ **Kentucky Wonder or Old Homestead.** Ready in about 65 days. Green pod. The most widely planted pole variety. The pods are fleshy, 7 to 10 inches long and stringless when young. Kept picked, they bear all season. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 3 lbs., 85c.

★ **Decatur.** About 65 days. 1942 All-American Silver Medal. A stringless pole bean bearing round pods 6 in. long. Green, tender. Seed white and small and may be used dry. Very prolific and will grow in any home garden where 100 frostless days prevail. Pkt., 25c; ½ lb., 65c; lb., \$1.00.

★ **Kentucky Wonder Wax.** In 65 days. The best pole wax bean for northern planting. Pods are golden fleshy, delicious. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 3 lbs., 85c.

★ **Early Golden Cluster Wax.** About 65 days. Long, stringless; pods in clusters; pure white seeds. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 3 lbs., 85c.

★ **Burger's Stringless Green Pod.** About 63 days. (White seeded Kentucky Wonder.) Bears until frost. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c.

★ **White Creaseback.** In 65 days. Early; long, round, green, stringless, tender. Pkt., 10c; lb., 35c; 2 lbs., 65c.

★ **Cut Short or Corn Hill.** About 65 days. Much used in the south for planting among the corn. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 3 lbs., 85c.

★ **Lazy Wife.** In 72 days. Good shell beans; long, stringless pods. Pkt., 10c ½ lb., 20c; lb., 35c; 2 lbs., 65c; 3 lbs., 85c.

★ **Horticultural Cranberry.** In about 70 days. For cool climate; early; flat green pods, spotted seeds. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 3 lbs., 85c.

★ **Scarlet Runner.** In 65 days. Ornamental flowers. Pkt., 10c; lb., 40c; 2 lbs., 75c.

★ **Yard Long.** 65 days. It produces a long, round edible pod. Pkt., 15c; ½ lb., 40c.

★ **Dutch Case Knife.** 65 days. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c.

★ **McCaslan.** 65 days. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c.

★ **Missouri Wonder.** 66 days. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c.

★ **Mobile or Black Valentine.** 60 days. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c.

★ **Striped Creaseback.** 72 days. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c.

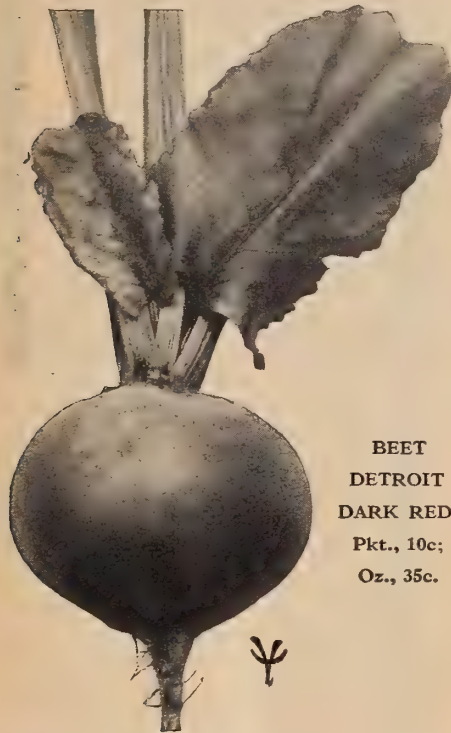
FIELD BEANS

★ **Great Northern.** In 90 days. A little larger than the Navy Bean, it is harder and a much heavier yielder. Pkt., 10c; lb., 30c; 2 lbs., 55c; 3 lbs., 75c.

★ **Improved Navy.** In 85 days. Fine field sort. Lb., 25c; 2 lbs., 40c; 3 lbs., 50c.

★ **"Robust."** In 100 days. A selection of Navy bred for resistance to blight, which outyields others on heavier soils. Lb., 25c; 2 lbs., 40c; 3 lbs., 50c.

Beet Tops Rich in Vitamins and Make a Delicious Dish



**BEEET
DETROIT
DARK RED,**
Pkt., 10c;
Oz., 35c.

QUANTITY in Beets is measured by an even, globular shape, uniformity in size, bright, even color, flavor, fine texture and tenderness. Here, as with all vegetables, the difference between a fine and a mediocre strain of one variety may be as great as between different varieties.

Our best seed is grown only from transplanted roots, which are taken up in the fall, carefully graded, stored over the winter and transplanted again in the spring. Only Beets which conform to the highest quality standards are planted for seed. Thus improvement is shown annually.

While this extra care increases the cost of the seed, the increase is small compared with the added value which improved quality gives to the crop.

Beets are easily grown in the home garden, and provide appealing dishes throughout the year. When they are thinned out in the spring their tops and leaves make a delicious dish.

Quantity needed to sow: 15 ft. row, 1 pkt.; 60 ft. row, 1 oz.; acre, 7 lbs. (Rows 18 in. apart).

★**Perfected Detroit.** Matures in about 55 days. In this improved strain of Detroit Dark Red Turnip Beet the fine qualities which have made that variety standard for main crop sowing have been strengthened by careful breeding. It is earlier, and almost spherical in shape. Its small tops are just right for either dry or wet season, heavy or light soil. The color inside and out is a very dark red, and flesh of fine texture, tender and of excellent flavor. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

★**Detroit Dark Red Turnip.** Matures in about 55 days. A main crop variety unequalled as a heavy yielder, and having the qualities which are valued for shipping and canning, as well as for the home and market gardens. Tops are uniform, small and erect. Roots are globe shaped, and very dark red, inside and out, with inconspicuous zoning. It is sweet, and remains tender until maturity. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

★ ★ ★ ★ ★ ★ ★ ★ ★ ★

**TO MAINTAIN FAMILY HEALTH
FOR NATIONAL DEFENSE**

Beet Greens Supply
in 5 ½ oz. portion, cooked

Vitamin A	12,000 I. U.
" B ₁	15 I. U.
" C	28 Milligrams

Beet Roots Supply
in 5 oz. cooked portion

Vitamin A	70 I. U.
" B ₁	24 I. U.
" C	10 Milligrams

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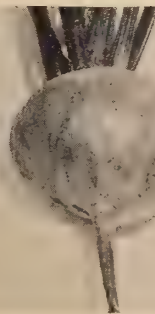
★**Early Wonder.** Matures in about 50 days. This is a selection of Crosby's Egyptian more nearly globe shaped, and a darker red. The tops are small, making it a fine variety for bunching. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

★**Good for All.** Matures in about 50 days. bred to produce uniform roots which can be harvested when 1 ¼-1 ½ inches in diameter, especially for canning and pickling. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

★**Crosby's Egyptian.** Matures in about 50 days. This early variety has long been a home garden favorite; and our strain has maintained and improved its excellent qualities. It is exceptionally tender and sweet, of a deep red with some light zoning, and fine texture. Tops are of medium size, and the roots of a flattened globe shape, excelling in table quality.

Vaughan's Selected Stock. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

Standard Stock. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.



BEEET CROSBY'S EGYPTIAN, Pkt., 10c; oz., 35c.

Crimson Globe. In about 60 days. Second early main crop, of medium size. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

Edmand's Blood Turnip. 60 days. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

Tendersweet. 50 days. Deep red throughout, with almost no zoning, globe shape with fine tap root, tender flesh. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

Green Top Bunching. 50 days. Roots round, smooth, slightly flattened at maturity, medium red with a bright red heart, fine flesh. Tops medium size. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

Winter Keeper or Long Dark Blood. 75 days. Roots long, smooth, dark red, tapering to a point, 7 in. long, remaining tender even in storage. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 75c.

Early Blood Turnip. In 55 days. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

Improved Early Egyptian. About 45 days. The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.



BRUSSELS SPROUTS

Brussels Sprouts

Brussels Sprouts supply in 4 oz. cooked portion, 1,100 I. U. of Vitamin A, 50 I. U. of Vitamin B₆, 90 milligrams Vitamin C.

Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost. For late use sow seed in June.

Long Island Improved. About 90 days. The most satisfactory Brussels Sprouts for American conditions. Pkt., 15c; ½ oz., 35c; oz., 65c.

Improved Dwarf. About 90 days. Dwarf habit and less liable to aphid than others. Pkt., 15c; ½ oz., 35c; oz., 65c.

Sugar Beets

The kinds offered below are grown from roots, the test analysis of which showed high sugar content. Prices of the following: Pkt., 10c; oz., 25c; ¼ lb., 65c.

Vilmorin's Imperial. Improved French variety; yields nearly as much as the Mangels.

Klein-Wanzleben. Wedge shape tapering to long tail.

Mangel Wurzel

Mature in 90 to 120 days.

Mangels are an excellent crop for dairy and poultry farms, giving a crop of good feeding value for both cattle and chickens. Sow in May or June, 6 lbs. to the acre, in rows 2 feet apart, and thin to nine inches. Give the crop good cultivation.

Barres Sludstrup. This Mangel holds the world's record for dry matter content. It is a long, reddish yellow, ovoid root. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Vaughan's Mammoth Long Red. Largest and heaviest cropper of long red sorts. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Golden Tankard. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Giant Rose Half Sugar. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Celeriac

TURNIP ROOTED CELERY

This vegetable deserves much wider cultivation. Cooked and prepared as a salad, it has a rich celery flavor. The roots keep well in winter—recipes for preparing enclosed upon request.

Large Smooth Prague. About 120 days. A main crop variety. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

★—Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.

Green Sprouting Broccoli

Richest of Its Race in Vitamins



BROCCOLI ITALIAN GREEN SPROUTING.

GREEN sprouting broccoli has been given new importance by the disclosure that because of its green coloring it is far richer in vitamins than white cauliflower, which it resembles in flavor. It takes rank as one of the protective foods, which defense authorities urge shall be given precedence in Defense Gardens. It is also a much easier subject for the amateur than cauliflower, and has a much longer season of harvest.

The type which has won greatest popularity produces a terminal head which may be cut, whereupon other heads are produced on lateral

branches, which in turn may be harvested. Typical center heads are shown in the illustration. It survives light frosts, and produces well in the cool autumn weather. Sow in the open in May, and transplant to eighteen inches apart in the garden row.

★Italian Green Sprouting (Calabrese).

Matures in about 70 days. A selected strain of the most popular type from an Italian specialist who has bred it to a high standard of yield, flavor and tenderness. After its large center heads are harvested, smaller heads 2 inches in diameter form at the ends of lateral branches. It continues to bear for eight to ten weeks. Pkt., 25c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Large White Mammoth. 80 days. This is a type which produces white heads similar to cauliflower. Pkt., 25c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Purple Cape. 80 days. Purplish heads. Pkt., 25c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.



VAUGHAN'S SELECT SNOWBALL. Pkt., 35c; ¼ oz., \$1.75; ½ oz., \$3.00; oz., \$5.50.

Cauliflower from Denmark

WAR and the blockade have shut off from this country imports from Denmark, where the finest strains of cauliflower seed are grown. The result is a shortage of seed which has sent prices soaring. We are glad to report that we have a sufficient supply of Danish grown cauliflower seed of our best strains to supply our retail demand, for which we are reserving it.

Home gardeners will find cauliflower not difficult where conditions are right. When plants are set out in June or early July to mature in October, there is seldom any question of getting fine, large heads. Quantity needed for 150 plants, 1 pkt.; for 1,500 to 2,000 plants, 1 oz.

★Vaughan's Select Snowball. Matures in about 55 days. Improved strain of our New Snowball, early, dwarf, compact, producing solid white heads which measure 9 to 10 inches across and have a perfectly white core. Its heads are more uniform in size and there are more leaves, for protection in bleaching. The seeds are about one-third smaller. Pkt., 35c; ¼ oz., \$1.75; ½ oz., \$3.00; oz., \$5.50.

Vaughan's Earliest Dwarf Erfurt. Like New Snowball, but a few days later. Pkt., 35c; ¼ oz., \$1.50; ½ oz., \$2.75; oz., \$4.50.

★Vaughan's New Snowball. Matures in about 55 days. A well grown head measures 9 to 10 inches across, with depth in proportion, and a perfectly white core. It is dwarf and compact in growth, and as early as any other. Pkt., 35c; ¼ oz., \$1.50; ½ oz., \$2.85; oz., \$5.00.

Danish Snowball or Day Weather. Heads larger, snow-white, second early. Pkt., 35c; ¼ oz., \$1.50; ½ oz., \$2.75; oz., \$4.50.

Autumn Giant. Large heading late fall sort. Pkt., 25c; ¼ oz., \$1.25; ½ oz., \$2.25; oz., \$4.00.



PAOTING. Pkt., 10c. **"PE TSAI."** Pkt., 15c. Quantity needed for 30 ft., 1 pkt.; 200 ft., 1 oz.

Chinese or Celery Cabbage

★Celery Cabbage Pe Tsai. The VAUGHAN exceptionally fine vegetable is rapidly growing in public favor. Its growth resembles the Cos lettuce, but the outer leaves have the general texture of ordinary cabbage. When the outside leaves are stripped away, the cabbage presents a well nigh irresistible appearance. Our strain of this seed is grown in China by a specialist whose family has raised and selected this particular type for many years. The heads blanch without tying, July is the proper planting time. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

Celery Cabbage "Paoting." Genuine "WONG BOK" type. Will mature firm heads through the summer months. It has produced heads weighing 15 pounds and stands long before going to seed. It is the largest of the Chinese cabbages. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.35.

Red Cabbage

Valued for Distinctive Flavor

★Red Winter Giant. 95 days. One of largest; dark red, extremely hard head, exceptional keeping quality. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

★Haco, Earliest Round Red. 75 days. This new sort originated in Denmark, and the seed we offer was grown especially for us by the originator. The color is intense dark red throughout, heads trimmed average 3 lbs., each. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Mammoth Rock Red. (Long Island strain). In 95 days. The hardiest and largest heading red cabbage. Round, very solid and of a deep red color, often weighing up to 12 pounds each. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Red Yellows Resistant. About 100 days. Not as large as Mammoth Rock Red, but darker and more uniform color. Pkt., 20c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Cardoon

Main stalks are blanched like Celery; used for salad or in soups. Pkt., 10c; oz., 75c; ¼ lb., \$2.00.

★★★★★★★★★★★★★★★★★★★★

TO MAINTAIN FAMILY HEALTH FOR NATIONAL DEFENSE

Green Broccoli Supplies in 4 oz. cooked portion

Vitamin A	4,000 I. U.
" B ₁	25 I. U.
" C	50 Milligrams
" B ₂	

White Cauliflower Supplies in 3 oz. cooked portion

Vitamin A	
" B ₁	35 I. U.
" C	33 Milligrams
" B ₂	

★★★★★★★★★★★★★★★★★★★★

Yellows-Resistant Cabbages Insure Crop

*Tested Strains
Developed by
Scientific
Breeding*



CABBAGE RESISTANT BUGNER,
Pkt., 20c; ½ oz., 65c; oz., \$1.25.

IMPROVED AMERICAN SAVOY,
Pkt., 15c; oz., 75c.

WHEREVER the temperature of the soil rises to 90 degrees or higher there is danger of the yellows disease, and when it strikes a crop failure may result.

In the great cabbage growing district centering around Racine and Kenosha, Wisconsin, an industry has been saved by developing strains of cabbage resistant to yellows. We offer seed of these strains, which have been developed by years of scientific work, and actual growing tests. The uniformity and yield of resistant strains have greatly improved. We recommend their use wherever danger of yellows may exist. If the disease strikes, resistant strains will show slight loss, where non-resistant types would probably be destroyed.

Regular Stock of Yellows Disease-Resistant Varieties

★ **Jersey Queen.** 60 days. As near a true strain of Jersey Wakefield as is possible to select in type and earliness. Exceptionally resistant to yellows. This is the first of our resistant strains to mature and is recommended to the home gardener where a cabbage for summer salad use is desired. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

★ **Wisconsin Pride** (Racine Market) (Early Detroit). 64 days. Around head early of the Golden Acre type. Of dwarf, compact growth with few leaves; of exceptionally uniform size and maturity season. Pkt., 20c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.40.

★ **Wisconsin Ballhead.** 100 days. Most highly perfected strain of yellows-resistant cabbage yet introduced. It excels in all the qualities that mark a good cabbage, besides being 100 percent resistant. A better keeper, of finer texture and matures earlier than Wisconsin No. 8. We sincerely recommend this for home garden and market growers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

★ **Globe.** 75 days. The resistant Glory of Enkhousen is but 3 or 4 days later than Copenhagen, of excellent flavor. You who think that there is no difference in the flavor of cabbage should compare a mature Globe with any other cabbage. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.40.

★ **Bugner.** 100 days. A winter variety grown in infested soil near Chicago, which is the most popular variety with market growers. Our own strain has been selected for resistant qualities over many years. Pkt., 20c; ½ oz., 65c; oz., \$1.25; ¼ lb., \$4.00.

★ **Wisconsin All Head Early.** In about 80 days. Is the second resistant variety to mature. Will stand for a long time without bursting and is nearly 100% resistant. Large heading general purpose cabbage. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

★ **Marion Market.** In 75 days. The third yellows-resistant cabbage to mature. Of an excellent Copenhagen Market type, though later than select Copenhagen, coming a short time before Glory of Enkhousen. Pkt., 15c; ½ oz., 45c; oz., 80c; ¼ lb., \$2.30.

★ **Wisconsin All Seasons.** About 90 days. Either a kraut or home variety, but is used more for kraut than for any other purposes. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

★ **Wisconsin No. 8.** 110 days. A late winter keeper. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

★—Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.

LATE STANDARD VARIETIES

★ **Danish Ballhead Short Stem.** About 105 days. Or Dwarf Amager. This variety is almost identical with "Dutch Winter or Hollander." Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

★ **Vaughan's Premium Late Flat Dutch.** In about 110 days. Seed may be sown in the open ground and plants raised without the use of hotbeds. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

SAVOY CABBAGE RICHER IN NUTRITION

This type of cabbage has leaves which are crumpled or savoyed instead of smooth, as in other types and do not bleach white, but remain green and retain more vitamin A. The heads are not as tight as the smooth leaved type, but are of superior flavor, and are esteemed for table quality.

★ **Improved American Savoy** (Long Island strain). The best main crop variety of this type. The vigorous short stemmed plant bears a large, fairly solid head, sweet and tender. Pkt., 15c; oz., 75c; ¼ lb., \$2.25.

Standard Cabbages

★ **Reselected Copenhagen Market Extra Early.** Matures in about 62 days. Earliest of the large heading cabbages, maturing even before the conical types, this select strain is of unique value both to home and market growers. It is the result of many years' selection by our European grower, and produces heads round as a ball, crisp, tender and of fine texture.

Reselected Tested Stock, 62 days. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.
Standard Stock, 68 days. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

★ **Daybreak.** 60 Days. It bears a round, hard head with short stem and was developed by one of the best growers in Denmark, in whose trials it matured 65% in 60 days, averaging 3 pounds, 12 tons to the acre. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

★ **Golden Acre.** Matures in about 60 days. Resembles Reselected Early Copenhagen Market in most respects, except that its heads are slightly smaller, 4 to 5 lbs. It is of dwarf, compact growth, with few leaves, so that the plants can be set close together, and is exceptionally uniform in size and maturity date. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

★ **Green Acre.** 60 days. A round headed variety which instead of bleaching in the hot sun holds its rich green color to the bursting stage. Smooth, solid, of fine texture and flavor; heads weigh 3 to 4 pounds. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

★ **Glory of Enkhousen.** 75 days. This globe shaped, medium early variety is of excellent flavor and crispness and produces heads weighing 8 to 10 pounds, and more uniform than the earlier types. Recommended for the main crop in the home garden. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

★ **Louisiana Copenhagen.** 58 days. A southern selection of regular Copenhagen. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

★ **Penn State Ballhead.** About 105 days. A heavy yielding strain of the short stem Danish Ballhead type. Yields as high as 26 tons per acre have been recorded. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.



TYPICAL ROSETTE OF COLLARD LEAVES,
Pkt., 10c; oz., 20c.

★ ★ ★ ★ ★ ★ ★ ★ ★ ★ TO MAINTAIN FAMILY HEALTH FOR NATIONAL DEFENSE

Cabbage, White, Supplies

3 ⅓ oz., cooked
Vitamin A 50 I. U.
" B 20 I. U.
" C 25 Milligrams

Collards Supply

3 ⅓ oz., cooked
Vitamin A 2,200 I. U.
" B 50 I. U.
" C 22 Milligrams

★ **Vaughan's Select Early Jersey Wakefield.** In about 62 days. This extra early conical shaped head cabbage is a specialty with us. The heads are hard, the outside leaves small, so that close planting is possible. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

★ **Early Flat Dutch.** In 90 days. Sure solid header; weighs 10 to 12 pounds. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.45.

★ **Charleston Wakefield.** About 73 days. Later than "Jersey Wakefield," with heads much larger and uniform. Does well on heavy soil. Pkt., 10c; oz., 35c; ¼ lb., 90c.

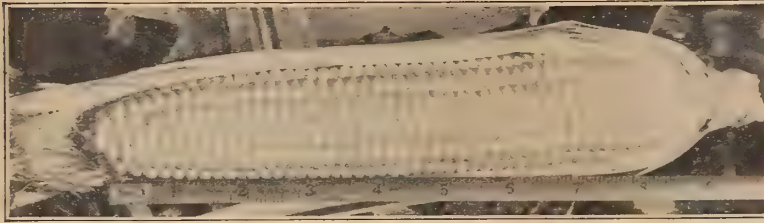
★ **Vaughan's All Seasons.** About 90 days. Suited to every growing season. Even when planted late it keeps well, and is of better quality than big ribbed winter sorts. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

★ **All Head Early or Faultless.** In about 78 days. Matures large, uniform handsome heads of unsurpassed quality. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

Collards

This is a relative of the cabbage which produces rosettes of green leaves of cabbage flavor, and having a much higher vitamin content. It produces edible leaves in 45 days from sowing, and succession sowings should be made. Though used chiefly in the south, where it is too hot for cabbage, it may be grown in any part of the U. S. A. and is recommended for home gardens as a protective food. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Yellow Sweet Corns Excel in Nutrition



HYBRID SWEET CORN GOLDEN PRIDE. Pkt., 20c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.25.

HYBRID sweet corn excels in three ways: Heavier yield, more even maturity, and resistance to Stewart's disease, and other troubles. In flavor, which many home gardeners consider the supreme point, the variety Our Choice is equal to Golden Bantam, some think better. Other hybrids will compare well in flavor with other open pollinated.

Any open pollinated corn will mature unevenly and give edible ears from one planting over a longer period, which some may prefer. Our list has been revised to offer the best of both hybrid and open pollinated types, as proved by exhaustive tests in our trials.

A packet plants 40 hills; a pound 400 hills; 12 pounds an acre.

HOME GARDEN SPECIAL

Hybrid Blend. Hybrid corn pollinizes during so short a period that an unusual hot wave might interfere with the ears being fertilized. To overcome this we mix four Hybrids that pollinize over a 20 day period in this blend. You will thus avoid the risk described and have corn to harvest over a longer period. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

HYBRID RESISTANT

★**Golden Pride.** 68 days. From Connecticut Experiment Station. The illustration tells more than any description. Compared with Our Choice, it is longer by one inch, supplies more cut corn, is fully as fine a kernel and has as good or better quality. We recommend it. Pkt., 20c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.25.

★**Golden Treasure.** 66 days. Two weeks earlier than Golden Bantam and about five days earlier than Golden 60-Day. Of 120 different strains in our trials, this was the earliest of all. It has a larger ear than Golden Bantam. 12 rows of kernels of good, sweet flavor, producing 35% more shaved corn to the ear. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

★**Our Choice.** 68 days. Maturing two days later than Golden Treasure, this is the sweetest variety we know, not excluding Golden Bantam. It is heavy yielding, with a good size 12 row ear, and completely resistant. For the home garden this would be our choice for an early. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

★**Spangcross.** 69 days. All-America bronze medal, 1941. Highly resistant. 10-12 row ear, good flavor. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

★**Erlibird.** 70 days. Has shorter stalks than our Marcross, but is 5 to 6 days earlier. It does not pick as heavily but is a very good early. Weight of the shaved corn on 10 ears is 1½ lbs. It is an 8 to 12 rowed yellow corn. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

★**Surprise.** 64 days. 10 to 12 rows, golden yellow, ears 5½ to 6 inches. Stalks 57 to 60 inches tall and bear the ears 12 inches from the ground. We can recommend this for your first early corn of good flavor. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

★**Golden Nugget.** 68 days. An excellent early, 66 inches tall, well filled ear 7¼ inches long, 8 to 12 rows of kernels. The size of the ear recommends it more than the flavor, which is medium. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

★**Bancross** (Vaughan's Top Cross Golden Bantam). 76 days. This variety is produced by crossing our Early Golden Bantam with Purdue Bantam. It is earlier than its male parent and not as uniformly eight rowed as its female parent, though it may vary. One wishing the earliness and quality of Golden Bantam with resistance should try this. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

To Mail Order Buyers

See your Order Blank on Page 3 for special Mail Order Offer on packets, ½ lb. and 1 lb. units of Peas, Beans and Corn, which will save you money on these important food crops.

Marcross (Top Cross Golden). 75 days. This is Golden 60-day crossed with Purdue Bantam and has given us a cross that is practically the same as Golden 60-Day with wilt resistance. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

Early Bancross. 72 days. Five days earlier than Bancross. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

Whip Cross. 75 days. Ten days later than Whipple's Yellow. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

Narrow Grain Hybrid. 98 days. Same season as Narrow Grain Evergreen. Much more prolific in poor years. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

Sweet Corn All Summer, 25¢

Collection No. 22. One Packet each, Earliest Golden Sweet, Golden Bantam, and Bantam Evergreen, prepaid for 25c. ½ lb. each, 50c; 1 lb. each, 85c.

OPEN POLLINATED YELLOW

★**Golden Bantam.** 67 days. Matures in about 60 days. The tender sweetness of an ear of true Golden Bantam, picked just after it turns yellow and served in half an hour, has never been excelled. To maintain this supreme quality, however, requires constant vigilance, and there is great variation in the seed sold under this name. Our strain is grown on our Michigan farm, where it is selected for size, uniformity and flavor, and runs much larger than the usual type, and has better flavor. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Extra Early Golden Bantam. Matures in about 72 days. Prices are same as Golden Bantam.

★**Earliest Golden Sweet.** 53 days. To produce an earlier variety with the quality of Golden Bantam we have worked many years, and this is the best of many tested. It gives you Bantam quality twelve days earlier. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

★**Vaughan's Bantam Evergreen.** 85 days. A product of Golden Bantam crossed with Stowell's Evergreen. It has retained much of the quality of Bantam and has the size and tender skin of Evergreen. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Golden Country Gentleman (Colonel). 90 days. By crossing Country Gentleman and Golden Bantam, this late variety was produced. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Whipple's Early Yellow. About 87 days. A 14 rowed ear, 7 to 8 inches in length. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Pop Corn

Kansas Sunburst. 110 days. It is a yellow kernel, 16 row ear, 6 inches long. Handsome to look at, wonderful popping quality, making 26 times its own volume. Developed by the Kansas State College and Dept. of Agriculture. Stalks 6 to 6½ feet tall. 2 to 4 ears to stalk. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00.

South American. 110 days. Usually 2 ears to a stalk. Large yellow kernels, 12 to 14 row ear, 6 to 7 inches long, pops to enormous size, no hard center. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00; 10 lbs., \$1.75.

Vaughan's Golden Cross Bantam. In about 79 days. Obtained by crossing the two strains produced by G. M. Smith of Purdue. It has the same resistance and will produce a heavier crop of more uniform ears. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

TO MAINTAIN FAMILY HEALTH FOR NATIONAL DEFENSE

Yellow Sweet Corn Supplies

in 4½ oz. ear
Vitamin A 1,250 I. U.
" B₁ 22 I. U.
" C 4 Milligrams

White Sweet Corn Supplies

in 4½ oz. ear
Vitamin A 125 I. U.
" B₁ 18 I. U.
" C 4 Milligrams
" B₂ .13 Milligrams

Country Gentleman Hybrid. In about 99 days. Same season as Country Gentleman but better yielder in poor years. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

Stowell's Hybrid. Pkt., 20c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.25.

Golden 60-Day. 68 days. It is bred from 60-Day White crossed with Golden Bantam. Except for color, same as 60-Day. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Golden Giant. 87 days. A tall growing 8-rowed Golden Bantam but not as desirable. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Vaughan's Black Sugar or Black Mexican. About 85 days. Selected for large ears and high sugar qualities. Ears 10 rowed, 8 inches long. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

OPEN POLLINATED WHITE

Howling Mob. 83 days. A large-eared fine second early corn. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c.

Vaughan's Mammoth White Cory. In about 67 days. The ears are long with 10 to 12 rows, usually averaging two ears to the plant. Our seed is grown and bred on our own farms. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c.

Early Evergreen. About 75 days. It is earlier than Stowell's Evergreen and in northern localities is a surer cropper. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Country Gentleman. About 95 days. The grain is small and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Stowell's Evergreen. About 95 days. The standard main crop variety. The stalks grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows of the finest sugary grains. Vaughan's eastern grown seed develops a larger percentage of sugar than seed grown in the western states. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

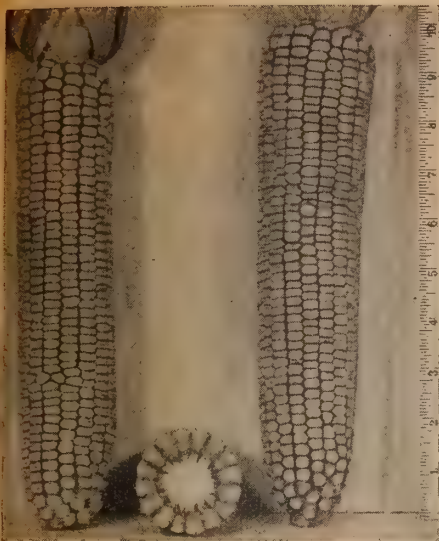
Narrow Grain Evergreen. 95 days. Similar to Stowell's Evergreen, but with narrow and smaller kernels. Used mostly by canners. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

60-Day White. 68 days. Height 3 feet, ears 10 to 12 rowed, 6 to 7 inches. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to 2 pounds. For postage charges on larger lots, see page 112.

To aid germination and increase vigor of early planted corn, treat with Semesan Jr., 4 oz., 50c.



HIGHBRED HYBRID CORN, WISCONSIN CERTIFIED.

Certified Hybrid Field Corn

We carry only certified hybrids that are grown, inspected, graded, tested and certified under strict state supervision—in tests in several states the Wisconsin hybrids have outyielded many other hybrids by 10% and more and open pollinated strains by 30%.

Tell us your location and we will send you the strain that in our opinion is best adapted to your locality. We offer these vigorous hybrids in four strains, 105 day, 110 day, 115 day and 120 day. Each strain may be ordered as follows:

	Peck	½ bu.	Bu.
Flat kernels (Edge Drop).	\$2.25	\$3.75	\$7.00
Medium Round (Hill Drop).	2.00	3.25	6.25
Large Round.	1.75	2.75	5.25

Above Prices Freight Paid.



WESTERFIELD'S CHICAGO PICKLE. Pkt., 10c.

Pickle Cucumbers

★Grow Quick. 48 days. A pickle type similar to Chicago Westerfield in size and shape, but a week or ten days earlier. It usually matures its crop before the early blight appears. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

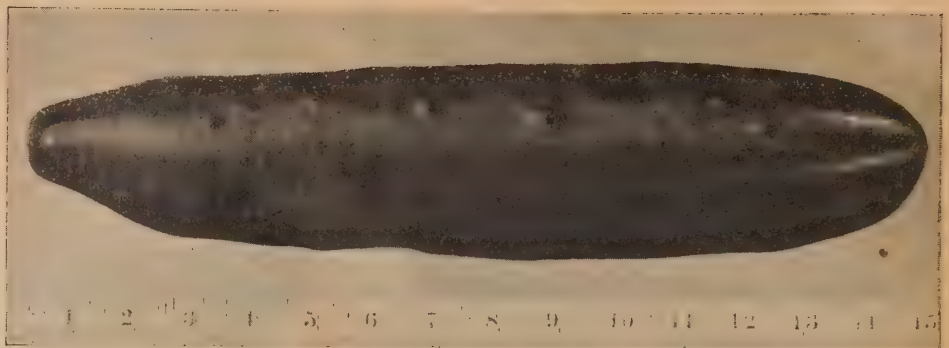
★Westerfield's Chicago Pickle. 58 days. We first introduced this pickle years ago, it has been a distinguished success. When ripe the fruit is medium size, blunt at both ends, has prominent black spines. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

West India Gherkin. About 60 days. A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. Pkt., 15c; oz., 30c; ¼ lb., 85c.

National. About 56 days. The type is shorter than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The fruit being smaller, blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

Green Prolific or Boston Pickling. In about 58 days. Smooth, symmetrical pickle, very early and productive. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

Early Cluster. 55 days. Similar to Boston Pickling, but fruits come more in clusters. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.50.



SPLENDID SALAD CUCUMBER—THE VAUGHAN. ABOUT 15 INCHES LONG PKT., 10c.

Cucumber The Vaughan Leads In Size and Quality

TWO distinct types of cucumbers are bred to fill the need for large fruits suitable for slicing to serve in salads, and the smaller, uniform, prolific, pickling varieties. Our special strains in both types are grown with the greatest care to insure that all standards of quality are maintained in your crop. Quantity needed for 20 hills, 1 pkt.; 80 hills, 1 oz. Home gardeners will have no trouble in producing from our strains fruits that excel in table quality. We recommend especially Mandarin, our new Chinese, earliest as well as of the highest quality, and the Vaughan, largest of outdoor varieties.

★The Vaughan. Matures in about 74 days. The largest of outdoor cucumbers, it is also of first table quality. Compared to other Long White Spine varieties, it is much darker in color, more uniform in shape and size, thinner, and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

★Colorado, or "A and C." 68 days. A beautifully long, slender, dark green cucumber of excellent shape and intense dark color which is maintained longer than in any other variety. Fruit is inclined to taper, especially at stem end. Seeds form late in season and are few. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

★Straight Eight. 60 days. A white spine which produces a high percentage of fruits perfectly straight, and 8 or more inches long. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

★Mincu. Matures in about 45 days. Its fruits averaging 4½ inches long by 2 inches in diameter are suitable both for salad slicing and pickling. It bears from 8 to 10 fruits within a foot of the hill. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

★Midget or Hill Cucumber. 70 days. Produced by Dr. Yager of the North Dakota Agricultural College and is the true hill type. The cucumber is about 6 in. long and 2½ in. in diameter. Fit for any small home garden. Pkt., 20c; oz., 35c; ¼ lb., \$1.00.

Earliest of All. About 60 days. A fair size, dark green White Spine. Of special value for first crop. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

Early Fortune. In 64 days. Medium length White Spine, much planted in the south. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.50.



CUCUMBER MANDARIN. Pkt., 10c.

★Mandarin. Matures in about 45 days. Earliest of any variety we have tried, this new variety, thanks to its Chinese blood, is also supreme in quality. It is 10 to 12 inches long, 1¼ to 1½ inches in diameter, deep green, with the crispness and flavor for which Chinese cucumbers are noted. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

Vaughan's Improved Arlington White Spine. About 60 days. A heavy yielding; symmetrical, straight, 7 to 10 inches long. A great favorite in the south. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

Evergreen White Spine. About 60 days. A great blight resister. 8 to 12 inches long. Select stock. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

Improved Long Green. In 68 days. Used for yellow chunk pickles. The vines are vigorous and productive; the fruit (12 inches long) has a distinctive flavor. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

Deltus. In 72 days. A dark green cucumber nearly free from spine, may be used for forcing out of doors. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.50.



CUCUMBER MINCU. Pkt., 10c.

Davis Perfect. 65 days. Fine length, slim dark green and crisp. The best blight resister of long sorts. Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., \$2.50.

Japanese Climbing. About 68 days. This is quite resistant to disease and insects. It is good quality and of a dark green color. May be grown on a trellis. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

White Wonder. 55 days. This variety of fine quality bears fruits 7 to 8 inches long which, when young, have pure white skin. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

FIRST RESISTANT CUCUMBER

Shamrock Resistant. 65 days. Resistant to Mosaic, early, uniform and satisfactory as a slicer or small pickler. A white spine variety 6 to 8 in. long. Pkt., 15c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

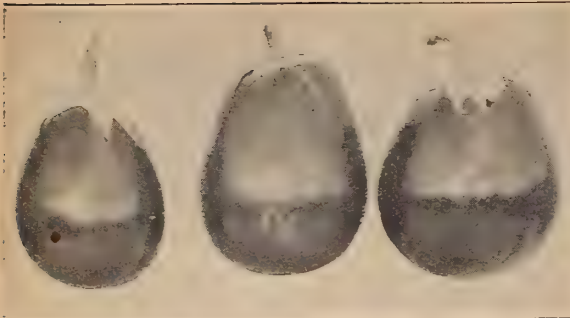
ODD CUCUMBERS

Lemon Cucumber. In 65 days. Not the Garden Lemon, though similar in appearance. It is a real cucumber. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

Serpent or Snake. In 80 days. A curious, twisted cucumber. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

ENGLISH FRAME CUCUMBER

Rollison's Telegraph. In about 60 days. English greenhouse forcing. Pkt., 25c.



NEW YORK PURPLE MINNOVAL BLACK BEAUTY

Egg Plant

EGG plant likes a rich, loamy soil. Plants should be set out in the garden as soon as danger of frost has passed, in rows three feet apart, the plants two feet apart. Our special strains excel in uniformity, flavor and yield.

★**Kissin.** Matures in about 70 days. The earliest and most prolific variety we have tried. On a small bush as many as 12 fruits are borne, each 6 inches long and 3 inches in diameter. This oval shape makes slicing easier, and the quality is superb. Color is a rich dark purple. Pkt., 15c; ½ oz., 35c; oz., 65c.

★**Black King.** 75 days. This new hybrid from Japan is a heavy yielder, a vigorous grower and earlier than other varieties. The fruit is about two-thirds as large as Black Beauty and the vines produce as many as thirty fruits. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

★**Black Beauty.** 80 days. It is oval in shape, uniformly the darkest in color. Perfectly spineless and smooth; has beautiful, rich purple color and handsome lustre. Pkt., 15c; oz., 60c; ¼ lb., \$1.75.

★**Improved New York Purple.** About 83 days. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are satiny smooth, rich purple color and large. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

★**Minnoval.** 72 days. See Novelty Pages for description. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Oyster Plant (Salsify)

THOUGH not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall, while those for early spring use may be left in the ground over winter.

★**Mammoth Sandwich Island.** This variety is much more uniform in growth than the old standard "Long White" variety; it is twice the size and weight; the roots are of superior quality and most delicate flavor. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Horseradish Sets

★**Horseradish.** The roots produce good Radish, fit for use in one season's growth. Plant roots in trench, pressing small end down, and cover with 3 to 4 inches of soil. Raise the plant once in the early season, without disturbing the tap root end, and rub off all excess rootlets, recovering the plant as fast as accomplished. Doz., 40c; 100, \$2.50; 1,000, \$15.00.

Martynia

100 days

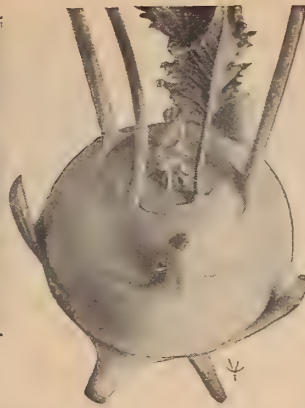
The tender young seed pods, gathered when half-grown, make excellent pickles. Pkt., 10c; Pkts. only.

Tobacco Seeds

★**Big Havana.** A hybrid Havana. Pkt., 10c; ¼ oz., 30c; oz., 45c; ¼ lb., \$1.25; lb., \$3.75.

★**Connecticut Seed Leaf.** Best adapted to climate of middle and northern states. Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., \$1.25; lb., \$3.75.

★**Burley.** The popular Kentucky sort. Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., \$1.25; lb., \$3.75.



VIENNA KOHLRABI EARLY WHITE. Pkt., 15c.

Kohlrabi

Sow in April or May, in rows, thin to 8 inches. The globular fruits grow above ground, are stripped and cooked like Turnips, but are much sweeter.

★**Early White Vienna.** 55 days. White and tender. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

★**Early Purple Vienna.** About 55 days. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

★**Short-Leaved Early Erfurt.** About 50 days. For forcing in open ground. White flesh, very tender, short leaves. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

Rhubarb

★**Flare.** A variety of erect, compact habit, medium leaves 23 inches long, with stalks of attractive red extending from base almost to tip. Flesh is of fine texture, tender, juicy and crisp. Pkt., 15c; ½ oz., 30c; oz., 50c.

★**Vaughan's Mammoth.** Vigorous and productive; stalks fifteen inches long. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

★**Victoria.** A popular red strain. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

★**Rhubarb Roots.** Set in spring they will furnish leaf stalks the following year. Add postage.

	Each	3	10	
Victoria, 1-year	.....	\$0.25	\$0.50	\$1.25
" 2-year	.....	35	75	1.50
" 3-year	.....	50	1.00	2.25
McDonald Crimson, Divisions.				
Each, 50c;		3 for \$1.20;	10 for \$3.50.	

Rutabagas

Mature in 90 days.

★**Vaughan's Improved American Purple Top** is a fine strain of Purple Top. Largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. A heavy yielder. Excellent table quality. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Bangholm.** Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Canadian Gem.** Round medium size, quick growing, purple top, yellow flesh. It resists mildew and is of excellent flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c.



GARDEN HUCKLEBERRY

This is a novelty, well described by the above name, which bears racemes or bunches of black berries, tomato-shaped, ½ to ¾ inch in diameter, which make excellent pies and preserves. The bushes are about 3 feet tall. Cultivation is the same as with the tomato, of which this plant is a distant cousin. Pkt., 15c; ½ oz., 30c; oz., 50c.

Green Leaves



ENDIVE GREEN CURLED. Pkt., 10c; Oz., 25c.

Endive

ENDIVE is a delightful autumn and winter salad. Sow seed from middle of June to the end of August. Frost improves the flavor.

★**Common Endive.** A new variety worth trying. Pkt., 15c; oz., 30c; ¼ lb., 75c.

★**Full Hearted Escarole (Broad Leaved, White).** 92 days. Of the straight, smooth leaf Batavian type, this variety has the largest number of heart leaves and the finest salad quality of any we have tried. It grows upright, resists drought, and when tied up for bleaching it produces a cluster of creamy, tender, spicy leaves, which are easily prepared for serving. Pkt., 10c; oz., 25c; ¼ lb., 60c.

★**Florida Deep Heart** 95 days. Similar to Full Hearted Escarole. It has a deeper heart and is more easily blanched. Pkt., 10c; oz., 35c; ¼ lb., 75c.

★**Green Curled.** In 70 days. Standard variety for fall and winter. Finely divided leaves make the plant appear mossy, and when centers are blanched it is most beautiful. Pkt., 10c; oz., 25c; ¼ lb., 60c.

★**Moss Curled.** Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Rose Ribbed Curled.** In 75 days. Has leaf ribs of red. Pkt., 10c; oz., 25c; ¼ lb., 60c.

★**Ever White Curled.** About 75 days. Very crisp. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Deep Heart Fringed.** Deep self-blanching heart. Leaves are cut and curled at edges, growth upright. rib and heart white. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Chicory

★**Witloof (French Endive).** In about 150 days. A European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages. Pkt., 10c; ½ oz., 40c; oz., 75c.

★**Large Rooted Magdeburg.** 65 days. Roots are cut in thick slices, roasted and used as coffee; in spring leaves make good salad. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

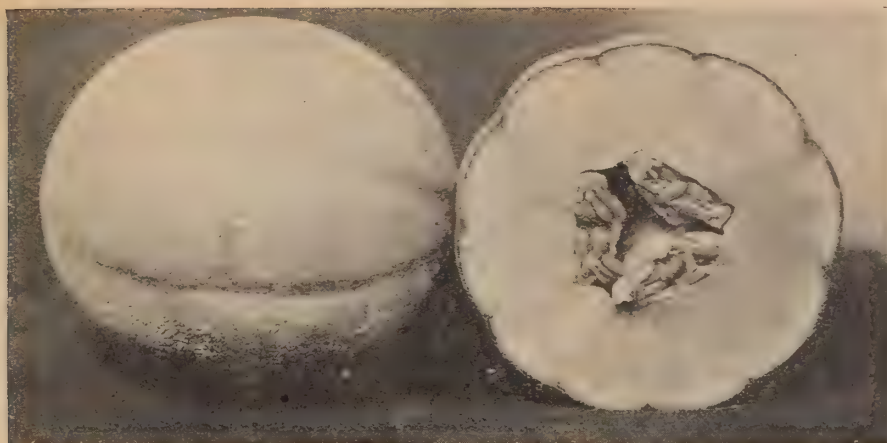
★**Asparagus Chicory.** 55 days. Cultivated shoots, which are boiled in salt water and served hot, or in cold salad. New sprouts continually spring from the base, to be harvested and enjoyed. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

Cress

★**Upland Cress.** About 65 days. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. Pkt., 10c; ½ oz., 30c; oz., 50c.

★**Curled Garden.** About 65 days. Used with Lettuce, it adds an agreeable pungency. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

★**Water Cress (Wasser Kresse; Cresson).** About 75 days. The pleasant flavor of Water Cress makes it one of the most delicate salads. It grows where there is a good supply of pure fresh water; it can also be grown in tubs of good soil in a shady place, if plenty of water is given it. Pkt., 25c; ½ oz., \$2.25; oz., \$4.00.



BENDER'S SURPRISE. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Early Melons Bred for Northern Gardens

TO ONE who has tasted a Vaughan's Milwaukee Market or Hearts of Gold muskmelon ripened on the vine, quality in muskmelons has a new meaning. In no other crop does quality respond more quickly to careful breeding. Our special strains are selected for size, color, flavor, small seed cavity and thick flesh.

Remember, muskmelons must ripen on the vine. Except the Honey Dew, they do not improve after picking. Quantity needed for 20 hills, 1 pkt.; 100 hills, 1 oz.

★**Hearts of Gold.** 80 days. For the home garden, this is our idea of the most delicious variety that can be grown. It has a flavor all its own, and never surpassed. In size it is just right, 5 to 6 inches in diameter, almost a sphere, with small seed cavity, well netted with shallow sutures. Pkt., 10c; oz., 30c; ¼ lb., 85c.

★**Vaughan's Milwaukee Market.** Matures in about 80 days. This is a large melon averaging 8 in. in diameter, with a small seed cavity and thick salmon flesh, which has the sweetest, most delicious flavor and the finest texture of any we know. It does not stand shipping. Its original quality has been increased by breeding on our Michigan farms, and has reached its highest point in seed from hand-cut, inspected melons.

Seed from hand-cut, inspected melons—Pkt., 15c; oz., 30c; ¼ lb., 90c.

Standard Seed—Pkt., 10c; oz., 25c; ¼ lb., 75c.

★**Honey Rock (or Sugar Rock).** 85 days. A wonderfully sweet melon with thick orange flesh and a distinctive flavor, suggesting the Honey Dew taste. It produces heavily and is the earliest quality variety. Oval fruits of medium size. An excellent home garden variety. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

★**Imperial.** 85 days. Pale cream color skin with small amount of coarse netting, but looking quite smooth. Yellow flesh and a faint Honey Dew flavor. Season of Milwaukee, very similar to Weaver's Special, but smaller and more subject to cracking. Pkt., 10c; oz., 25c; ¼ lb., 75c.

★**Bender's Surprise.** 90 days. Large, thick-fleshed, heavily netted. Its flavor is wonderfully sweet, with almost no stringiness. An excellent home garden variety. Pkt., 10c; oz., 25c; ¼ lb., 75c.

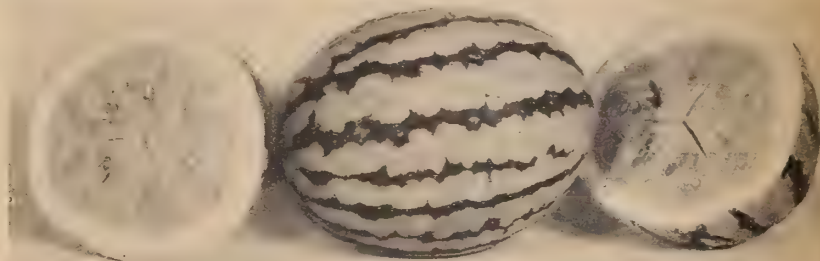
★**Pride of Wisconsin.** 85 days. This new variety seems to include many of the desirable characteristics of the Honey Rock. The rind is very hard, of a pearly grey color, with but a faint rib, heavily covered with a distinctive netting. The flesh is unusually thick with good flavor. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

★**Superb.** 90 days. Delicious, thick-fleshed with flavor blending Osage and Honey Rock. Grows 6 to 8 inches long, 5 to 7 inches in diameter. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Golden Marvel.** 90 days. (Golden Osage.) From round to oblong, with varying netting, small seed cavity and thick flesh of excellent flavor. Pkt., 10c; oz., 25c; ¼ lb., 75c.

★**Golden Oblong.** 87 days. It has the appearance of Honey Rock, 10 inches long, 6 inches in diameter; but superior flavor. George Swisshamer of Muskegon, Mich., says of it: "In the fashionable White Lake and Sylvan Beach, resorts prefer this melon over all others." Pkt., 10c; oz., 25c; ¼ lb., 75c.

★**Tip Top.** 96 days. It is yellow-fleshed, sweet, juicy; of finest flavor. A strong grower and yielder. Pkt., 10c; oz., 25c; ¼ lb., 75c.



DIXIE QUEEN. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Newest Early Watermelons

WATERMELONS may be grown under favorable conditions in the north though they require 100 to 120 days to mature. Soil such as will mature good muskmelons is needed, with plenty of hot weather and no lack of water. Room for the vines to wander is required, preferably 8 to 10 feet between hills both ways. Avoid lifting the vines and use only hand tools in cultivation. Quantity needed for 8 hills, 1 pkt.; 25 to 30 hills, 1 oz.

★**Stone Mountain.** 82 days. A new round melon having red flesh free from stringiness. Very productive and excellent for home use. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Stone Mountain Resistant No. 5.** 85 days. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Ice Box.** 70 days. It is desirable to have a melon that will go in the ice box without having to be cut. This round melon is about six inches in diameter, is early, hardy and of excellent flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Cole's Early.** 80 days. The northern states' favorite. The flesh is rich, deliciously sweet and crisp. It is about 20 inches long, 12 inches through; not a good shipper. Pkt., 10c; oz., 15c; ¼ lb., 40c.

★**Dixie Queen.** 85 days. The latest. It is semi-round, has very thin rind but stands shipping. Has white seed and deep red flesh. One of the sweetest. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Cuban Queen.** Like Dixie Queen, with black seed. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Ovid.** 75 days. Very similar to Red Russian, darker green, bright red flesh with black seeds. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Hale's Best No. 36.** 86 days. This is the improved Hale's Best type of outstanding merit. It not only is resistant to mildew and the ideal melon for shipping but is rapidly becoming a leader in other sections wherever Hale's Best is grown. The shape is oval, the size is medium with heavy net and a faint stripe which insures earliness. Pkt., 10c; oz., 25c; ¼ lb., 75c.

★**Vaughan's Select Early Osage.** About 84 days. Not as large as Osage, but of equal quality. Pkt., 10c; oz., 25c; ¼ lb., 75c.

★**Persian.** About 102 days. Perhaps the largest of all quality melons, but with too long a season to mature in the north. A fruit will weigh 10 lbs., almost spherical in form, heavily netted, with thick pink flesh, fine flavor. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Honey Dew.** 110 days. An old-time French melon imported by Vaughan's Seed Store for a melon specialist in Michigan; later found of good commercial value. Honey Dew is best when quite ripe. Unlike other melons, it grows sweeter after being picked. Pkt., 10c; oz., 25c; ¼ lb., 75c.

★**Banana.** In 98 days. Cucumber shape. Delicious odor. A novelty melon for the home garden. Pkt., 10c; oz., 25c; ¼ lb., 75c.

★**Emerald Gem.** In 87 days. Pkt., 10c; oz., 25c; ¼ lb., 75c.

★**Mango Melon or Vegetable Peach.** 90 days. Makes splendid mangoes, stuffed like peppers. For sweet pickles, pies and preserving. Cooking directions on packets. Pkt., 10c; oz., 25c; ¼ lb., 75c.

★**Rocky Ford Pink Flesh.** 95 days. Same as Rocky Ford Netted Gem except pink flesh. Pkt., 10c; oz., 25c; ¼ lb., 75c.

THE ROCKY FORD TYPE

★**Rocky Ford Netted Gem.** About 96 days. Of the green-fleshed muskmelons, Rocky Ford is the recognized standard of excellence. Pkt., 10c; oz., 25c; ¼ lb., 75c.

★**Pollock, 10-25.** About 98 days. Salmon tint. Pkt., 10c; oz., 25c; ¼ lb., 75c.

★**Red Russian.** Or Early Kansas. 85 days. Flesh very deep pink, brown seeds, thin rind and very solid center. Pkt., 10c; oz., 25c; ¼ lb., 60c.

★**Klondyke, Striped.** In 90 days. Known as the best long black watermelon grown in California. The seeds are small, flesh a deep red. It has a remarkable flavor, stands short distance shipping but is more of a home type. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Tom Watson.** In 92 days. The flesh is rich red; tenderly melting. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Sweet Siberian.** In 80 days. A very early variety of medium size, with yellow flesh of superb quality. Pkt., 10c; oz., 25c; ¼ lb., 60c.

★**Improved Kleeckley.** About 87 days. Similar to Kleeckley's in shape, but larger and has harder rind. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Irish Grey.** In 90 days. A mottled greenish grey, equal of any. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Wilt Resistant Kleeckley's No. 6.** 92 days. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Citron.** In 90 days. For preserves. Red or green seeded. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★**Winter Watermelon.** 85 days. Like Honey Dew in size and long-keeping qualities. Prolific and excellent flavor. Pkt., 10c; oz., 25c; ¼ lb., 65c.

OTHER GOOD WATERMELONS

★**Rattlesnake or Gypsy Striped.** About 92 days.

★**Halbert Honey.** Matures in about 87 days.

★**Early Fordhook.** 85 days.

★**Golden Honey.** 90 days.

Any of above, pkt., 10c; oz., 20c; ¼ lb., 50c.



PARSLEY, Champion Moss Curled. Pkt., 10c.

Parsley

PARSLEY should be sown early because it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows.

The rooted parsley provides excellent flavoring for soups and stews. Quantity needed to sow 50 ft., 1 pkt.; 200 ft., 1 oz.

★Vaughan's Champion Moss Curled.

In about 70 days. Robust, compact plants; the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color; it is quite hardy. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Vaughan's XXX Parsley. In 75 days. Curled leaves of delicate green, appetizingly fresh and beautiful, add zest and richness to substantial or delicate viands. It grows very dwarf in the garden—many of our customers plant it as a border. Vaughan's XXX Parsley was chosen after many trials and a careful inspection trip through Europe. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Plain or Italian. In 72 days. Not curled. However, the flavor is excellent and plant is very hardy. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Double Curled. 70 days. Dwarf, handsome green, curled variety. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Hamburg Rooted or German. 90 days. Resembles a small parsnip. Used for flavoring soups. Our strain is exceptional. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Evergreen. In 80 days. Darkest green curled. All-America award. Pkt., 15c; oz., 20c; ¼ lb., 50c.



Hamburg Rooted Parsley. Pkt., 10c.

Parsnips

PARSNIPS may be harvested at times when the garden has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw comes—they will be as sweet and tender as ever. A freeze is required to sweeten them. For the best results deep soil is needed, and fresh manure should not be used as it will cause the roots to divide. Quantity needed to sow 25 ft., 1 pkt.; 150 ft., 1 oz.

★Vaughan's Marrowfat. In 95 days. The illustration tells the story of uniform good size, fine shape, clean, smooth skin. In richness of flavor it is unequalled. For exhibition it is a winner. Pkt., 10c; oz., 40c.

Hollow Crown, Long Smooth. About 95 days. Tender and sugary; one of the best. Our strain is a good selection. Pkt., 10c; oz., 40c; ¼ lb., 75c.

Improved Guernsey. 95 days. An improvement over the parent, "Hollow Crown," but it is much larger in diameter, though not so long. The roots are more easily gathered. This sort gives general satisfaction. Of excellent sugary flavor. Pkt., 10c; oz., 40c; ¼ lb., 75c.

Ideal (All-America). About 95 days. Shorter than Hollow Crown and freer from side roots; tender, uniform and slightly hollowed neck. Washes up a good white. Pkt., 10c; oz., 40c; ¼ lb., 75c.

Short Thick. 90 days. This little parsnip makes a fine garden vegetable. The tops are only about half the size of Hollow Crown. The roots are short and thick, having a diameter of 2½ to 3½ inches and a length of only 6 or 8 inches at the thickened part. Pkt., 10c; oz., 45c; ¼ lb., 85c.



EARLY CALIFORNIA WONDER

MAGNUM DULCE

OSHKOSH SWEET HUNGARIAN

SUNNY-BROOK

New Giant Peppers

LIKE egg plants and tomatoes, peppers should be started indoors, as they take four to five months to mature. They are easy to grow, thrive in cool weather and will endure some frost. The plants should stand eight to eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. A dozen plants will supply an average family. One packet produces 75 plants; one ounce, 1000 plants.

★Early California Wonder. about 60 days. A quality giant is recommended for the home garden. Mild, sweet, midseason, it produces fruits 4 by 4½ inches, with thick flesh and bright crimson coloring. Pkt., 15c; ½ oz., 45c; oz., 85c.

★California Wonder. About 75 days. A mild, sweet variety, very large. It resembles Chinese Giant in form, but has much thicker flesh. It has a crimson fruit. Pkt., 15c; ½ oz., 40c; oz., 70c.

★"Windsor A." 70 days. Similar in structure to California Wonder but more productive and earlier. Pkt., 10c; ½ oz., 35c; oz., 65c.

★Vaughan's Giant Magnum Dulce.

In 67 days. This mild pepper grows to immense size—7 inches long and 4 inches through—but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the first buds. Pkt., 15c; ½ oz., 40c; oz., 70c.

★Harris' Early Giant. among the large peppers, also earlier. The plants are vigorous; peppers 4 by 4½ inches. Color, deep green turning to red; very sweet. Pkt., 10c; ½ oz., 35c; oz., 60c.

World Beater. About 75 days. Fruits 5 by 3½ inch diameter; flesh thick and mild; very productive and a good shipper. Pkt., 10c; ½ oz., 35c; oz., 60c.

Crimson Giant. About 70 days. One of the earliest large red. The peppers are green when young and a rich red when ripe; flesh thick, sweet and mild. Pkt., 10c; ½ oz., 45c; oz., 75c.

King of the North. In 64 days. A sweet medium short and blocky. Not quite as early as Early Giant. Pkt., 10c; ½ oz., 35c; oz., 60c.

Chinese Giant. 80 days. Grows 4 to 5 inches broad on top and of equal length, mild flavored and makes a very fine salad sliced and served like tomatoes. Pkt., 15c; ½ oz., 40c; oz., 75c.

Hungarian (Hot). In 65 days. A slender hot pepper much prized for canning. It is 1½ inches in diameter at the base and often 10 inches long. Pale green turning to red. Pkt., 15c; ½ oz., 40c; oz., 70c.

Hungarian (Sweet). In 65 days. Same as above, but sweet. Pkt., 15c; ½ oz., 40c; oz., 70c.

Ruby King. In 68 days. One of the most popular, growing 4½ to 6 inches long, 3½ to 4 inches thick. The peppers are a bright ruby-red and quite sharp in flavor. Pkt., 10c; ½ oz., 35c; oz., 60c.

Bull Nose, Hot. In 70 days. A pungent pepper. Pkt., 10c; ½ oz., 35c; oz., 60c.

Pimento Perfection. In 73 days. Flesh thick and very mild. Must be started early in the north to mature. Pkt., 10c; ½ oz., 25c; oz., 45c.

Large Bell. 70 days. Large, mild. Pkt., 10c; oz., 60c.

Cayenne. 70 days. Long, red, hot. Pkt., 10c; oz., 60c.

Vaughan's Sweet Mountain. In 70 days. Very productive; of the flesh mild and thick, 6x4 inches. Pkt., 10c; oz., 60c.

Oakview Wonder. In about 70 days. High quality combined with earliness, and high yield. Pkt., 10c; ½ oz., 35c; oz., 60c.

Oshkosh. 70 days. Small upright bush, fruit 4" x 3", deep green turning to yellow. Pkt., 15c; ½ oz., 40c; oz., 75c.

Red Cherry. 70 days. Pkt., 15c; ½ oz., 45c; oz., 85c.

Golden Queen. In 78 days. Pkt., 10c; ½ oz., 40c; oz., 70c.

Tabasco. About 95 days. Hottest of all. Pkt., 15c; ½ oz., 40c; oz., 75c.

Red Chili. 75 days. Good hot pickling. Pkt., 10c; ½ oz., 40c; oz., 70c.

Chili Anaheim. In 80 days. Pkt., 10c; ½ oz., 40c; oz., 70c.

Pimento Sunnybrook. About 73 days. Pkt., 10c; ½ oz., 35c; oz., 60c.

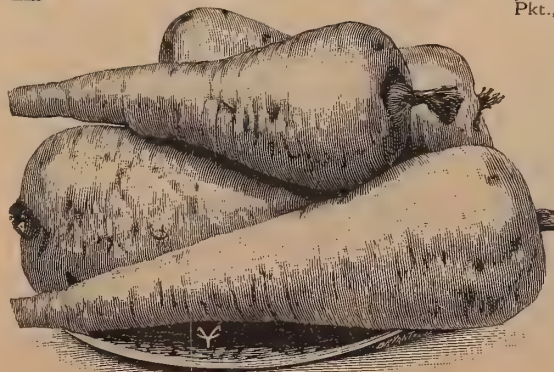
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TO MAINTAIN FAMILY HEALTH FOR NATIONAL DEFENSE

Green Peppers Supply
in 2½ oz., uncooked:
Vitamin A 600 I U
Vitamin B 69 I U
Vitamin C 0.12 Milligrams

Red Peppers Supply
in 3½ oz., uncooked:
Vitamin A 2,200 I U
Vitamin B 135 Milligrams
Vitamin C 135 Milligrams

★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★



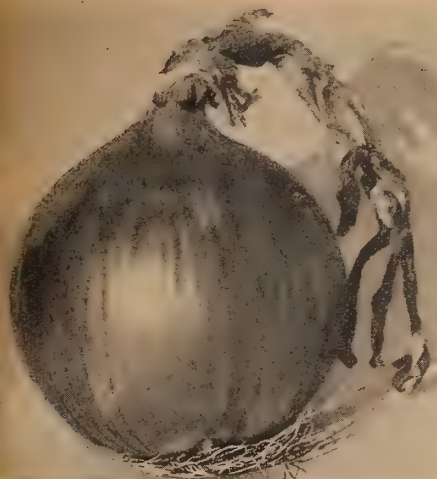
VAUGHAN'S MARROWFAT PARSNIPS. Pkt., 10c.

Onions Bred to Thrive in Your Soil and Climate

PLANT breeders select for parent, specimens which do well in their breeding grounds. If bred in Illinois, the progeny of these plants will be resistant to Illinois hazards, and will have a liking for similar soil and climate.

Breeding work in California necessarily develops strains that thrive under the unique California conditions but which might not thrive so well elsewhere. Because of this we breed all our onions in Illinois, so we can know that our strains are adapted to the conditions of soil and weather which prevail in the great area lying east of the Rocky Mountains to the Atlantic Ocean, where our seed is chiefly grown. Liking for this environment is bred into our onion strains.

Our strains are grown from mature onions which have been carefully inspected for conformation to type, and excel in productiveness and uniform quality. The small additional cost over ordinary seed is insignificant compared to the great improvement in your crop. Quantity needed to sow: 25 ft., 1 pkt.; 125 ft., 1 oz.; acre, 6 lbs.



VALENCIA SWEET SPANISH. Pkt., 20c.

Spanish or Bermuda

★Valencia Sweet Spanish. ^{Matures in about 110 days.} Here is a mild, sweet, giant onion of the true Spanish or Bermuda type, which you can grow from seed in your own garden. From seed it will produce onions weighing a pound; if started in the hotbed, two pound specimens can be grown. It takes two or three years for us to produce seed in Illinois, and the crop is always light, but the quality justifies the increased cost of seed. These onions are delicious at all stages of growth and will give you something to boast about. Pkt., 20c; ½ oz., 55c; oz., \$1.00; ¼ lb., \$3.00.

★Riverside Sweet Spanish. ^{110 days.} This is a California grown strain of the Spanish (Denia) onion. With us it grows larger than the American Prizetaker and does not produce the "stiff-necks" usual in the Spanish type. It is the most popular onion in Southern California and when grown as a specimen attains enormous size, 4 to 4½ pounds. In color it has a cream or pale yellow tint. Pkt., 20c; ½ oz., 55c; oz., \$1.00; ¼ lb., \$3.00.

★Prizetaker—American Grown. ^{105 days.} Among large onions this one is exceptional for size and beauty; it is of the same type as the large Spanish onions, imported and sold for high prices. Vaughan's American-grown seed has become thoroughly acclimated through many years of very careful, painstaking culture. Prizetaker is a yellow globe that matures to great size under right conditions; it requires a long season and should be started early in hotbed. When properly ripened it is a good keeper. Pkt., 20c; ½ oz., 55c; oz., \$1.00; ¼ lb., \$3.00.

Crystal White Wax. ^{In about 90 days.} This is a pure white flat onion, very popular in the south, especially in Texas. Will make but small onions in the north. Very sweet. Teneriffe seed. Pkt., 20c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Mammoth Silver King. ^{About 110 days.} Averages 15 to 22 inches in circumference and weighs 2½ to 4 lbs. It matures early and is uniformly large and of good shape. Flat, but thick. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

Onion Seed of Flat and Pickling Types

Quantity needed for 25 ft., 1 pkt.; 125 ft., 1 oz.

White Portugal or Silverskin. ^{About 100 days.} This beautiful white onion is a splendid sort for growing white onion sets, pickles and for early bunching green onions. Vaughan's White Portugal or Silverskin is a medium size bulb, flat shape. It has fine mild flavor, and is best of the white onions for keeping. Pkt., 20c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Brown Australian (Flat). ^{About 100 days.} A very desirable onion of medium size, with amber brown skin and solid white flesh. It is early, a heavy yielder and a long keeper; keeps well in warm climates. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$1.75.

ITALIAN ONION SEED

Vaughan's Pickling. ^{About 90 days.} One of the best white onions for pickling; it is small, round, hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin. Excellent for green onions. Pkt., 20c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Onions for Winter Keeping

★Southport Yellow Globe. ^{Ball type. In about 110 days.} For growing on muck soil, this is the best keeping strain we have been able to develop in years of growing and selecting. This is the most uniform strain and will keep in storage longer than any other we know. It is preferred by large onion growers. Pkt., 20c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Southport Red Globe. ^{About 110 days.} A little deeper than Southport Yellow Globe, in color a rich dark red. A wonderful keeper with finely bred neck and a heavy yielder. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00.

★Vaughan's Special Yellow Globe. ^{100 days.} ("MOUNTAIN" DANVERS.) Slightly smaller than Southport. When aphid damages the late onion crop it does not harm this variety, due to early maturity. Pkt., 20c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

★Golden Globe. ^{115 days.} An exceptionally fine yellow globe onion of superior weight. When grown as a dry onion its keeping quality is superior, making it very desirable for the home and market gardener. Has a very deep globe, carrying its greatest diameter well up from the root. Has 3 skins for protection and from seed matures same time as Southport Globe. From sets it matures much earlier. It is a heavy yielder and a fine keeper. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.



Golden Globe. Pkt., 15c.

Large Red Wethersfield. ^{About 100 days.} An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round, somewhat flattened bulb of purplish white flesh. Moderately fine grain and mild flavor. In poor soil it does best, growing a thinner neck than in strong soil. It is standard in its class in the south and southwest. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$1.75.

Fancy Yellow Globe Danvers. ^{About 110 days.} This is early, almost true globe-shaped, beautiful yellow skin, pure white flesh, of very fine quality. It has a good size, and a fine thin neck. Vaughan's strain is so near to globe shape that it passes for globe on the market. The crop ripens uniformly at one time, and its keeping quality is excellent. Pkt., 20c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Brigham Yellow Globe Onion. ^{110 days.} A strain of Southport Yellow Globe. While not as uniform in shape, it is among the best in production and keeping qualities. It may be grown successfully on either muck or heavy soil. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Ohio Yellow Globe. ^{In 110 days.} Of uniform shape, beautiful color and fine size, it out-classes the old type Yellow Globe Danvers. Its finely bred neck, large size, solid flesh of mild sweet quality, uniform growth, heavy yielding and superb keeping quality have made it a favorite. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Vaughan's Ideal White Globe. ^{About 110 days.} A strikingly handsome onion; very early, ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white. Pkt., 20c; ½ oz., 55c; oz., \$1.00; ¼ lb., \$3.00.

BUNCHING ONIONS

He-Shi-Ko or Japanese Bunching Onion. ^{Sow early in the spring and harvest green onions all the summer.} It is much superior to the Early White Welsh in having larger leaves, longer stalks and remaining tender much longer. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.



ONION SOUTHPORT YELLOW GLOBE. Pkt., 20c.

Bermuda Onion Plants started in Texas and sent North to grow on in your garden will give you backyard Bermudas with little trouble.

Eat Your Own Peas Six Weeks for 25¢



EARLY GILBO. Pkt., 15c.

PEAS are rich in sugar, which begins to turn to starch when they are picked; thus home gardeners alone can enjoy this crop at its best. Where hot dry summer weather cuts short the crop, the problem is to get the heavy yield, large size and sugar content of the late sorts into early yielding varieties which will bear a crop before the summer's drought arrives. Our strains are selected for these qualities. Quantity needed for 100 ft., 1 lb.

DWARF

★**Little Marvel.** 64 days. The most satisfactory pea in the average home garden. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vines 18 inches, pod dark green, well filled. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50.

★**Giant Stride.** 74 days. Pea affecting peas when they are planted too often in the same ground. You will find the new Pea Giant Stride nearly 100% resistant, as well as of top quality and a heavy yielder. It makes a vine 16 to 18 inches tall, dark green, with pods longer than Laxton's Progress and better filled with peas of excellent flavor. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50.

★**Early Gilbo.** 72 days. A new pea from one of our oldest pea growers. Rogers Brothers have perfected what they consider one of their best market garden varieties and have named it after one of their oldest breeders. Vine 24-28 inches tall, very dark and heavy. Pod 4½-5 inches long by ½ to ¾ inches wide, of the Dwarf Alderman type. Season 69 days. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 5 lbs., \$1.25.

★**Nott's Excelsior.** In 62 days. Almost as early as the round seeded varieties, but far superior to them in quality. Vines about 15 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

★**Century of Progress.** Matures in about 76 days. This is a vigorous growing, heavy yielding variety which bears large, wrinkled peas of the very highest table quality in greater profusion than other varieties of equal quality. It grows 20 inches tall, with heavy foliage of a dark green, and dark green pods 4½ inches long. It is an excellent home garden variety. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50.



LAXTON'S PROGRESS. Pkt., 10c.

★**Laxton's Progress.** 62 days. The earliest large-podded, large-fruited wrinkled peas. Of all the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Hundredfold. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50.

Hundredfold. About 62 days. This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, has large pods like "Telephone," which are filled with the finest flavored peas. Hundredfold is in season a few days later than the first earlies. It excels in size, appearance and productiveness. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50.

★**Sutton's Excelsior Improved.** In about 63 days. It is a very fine first early dwarf pea, regarded by some as the best of the wrinkled sorts. Very hardy; can be planted early; vines are 18 inches high, very prolific; pods are almost square at lower end, larger and broader than the usual dwarf pea, dark green color. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

American Wonder. 61 days. Among the oldest of the home garden peas it is being superseded by Nott's Excelsior and Little Marvel. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

Premium Gem. 64 days. An extra early old type garden pea that could well be replaced by Nott's Excelsior or Little Marvel as they are superior. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

Dwarf Telephone or Daisy. About 76 days. A mid-season maturing sort of merit; vines are dwarf and bear large, bright green pods, each containing 7 to 9 peas of finest quality. This is a splendid variety, of which we offer a high-class re-selected stock. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

Dwarf Defiance or Stratagem. About 79 days. Pea growers cannot afford to overlook this splendid main crop success; it is without a superior, a grand second early. The vines are vigorous, the pods dark green and immense in size and fullness, like "Telephone." The handsome pods are filled with peas that are sweet and rich flavored. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.



TO MAINTAIN FAMILY HEALTH FOR NATIONAL DEFENSE

GREEN PEAS SUPPLY in 2 ½ oz. portion, cooked,

- Vitamin A 530 I U
- B₁ 78 I U
- C 13 Milligrams
- B₂



Sow in Early Spring
LITTLE MARVEL—Dwarf, Early
EARLY GILBO—Dwarf, Main Crop
CENTURY OF PROGRESS—Dwarf, Late
 1 Pkt. of Each (3 pkts.),..... 25c.
 ½ lb. of each (1 ½ lbs.),..... 50c.
 1 lb. of each (3 lbs.),..... 85c.

Tall Peas

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequalled for length of season, heavy yielding and high quality. Support should be given and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

★**Vaughan's Improved Telephone.** 74 days. Of the tall-growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. Grows 4 feet high; is a main crop variety, and a heavy yielder. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50.

Everbearing. About 74 days. For late summer and autumn; very prolific variety. Pod about 3 inches long, with large peas of good quality. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15.

EDIBLE POD PEAS

(Cooked like String Beans)

Mammoth Podded Sugar. In 74 days. A late, large sugar pod pea of finest quality. Vines 4 to 5 feet high. Pods 5 to 6 inches long. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c.

Dwarf Gray Sugar. About 65 days. Vines 16 inches. Pkt., 10c; lb., 40c; 2 lbs., 70c.

MEDIUM HEIGHT

A HEAVIER yield without sacrificing quality is obtained from the varieties of peas which require some support. The varieties listed below grow to three feet high and should be given support of chicken wire or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much, will be found to be of good table quality.

★**World's Record or Improved Gradus.** 60 days. Gradus is the greatest of the wrinkled peas; it is large, early, and in flavor equal to the best wrinkled kinds. It is tender and should be planted in the warmest spot in the garden. Vines 30 inches, pods 4 inches long, beautiful green color with 7 to 10 or more rich, tender peas in each. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c.

Thomas Laxton. About 62 days. This is a selection of Gradus. The season is identical, but the pods are square at the end and deeper green. Vines are 3 to 3½ feet high. A better yielder than Gradus. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c.

Alaska—Called Earliest of All. In about 57 days. Alaska and "Maud S." are in all but color the same; Alaska seed is bluish in color; it is standard for market and canning. Pkt., 10c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.00.

Pea Cultural Notes

Peas should be sown when the ground is ready to work, without delay. It is important to have rich soil, somewhat light, and to give plenty of water if a full crop is to be produced. It will pay to use a balanced commercial fertilizer in the row when the seeds are sown. Do not crowd the seed. It is better to sow in single rows, with two inches between the seeds, or in double rows, the rows six inches apart, and seeds two inches apart.

To Mail Order Buyers

See your Order Blank on Page 3 for special Mail Order Offer on packets, ½ lb. and 1 lb. units of Peas, Beans and Corn, which will save you money on these important food crops.

Northern Potatoes

CERTIFIED STOCK

WE offer Michigan and Minnesota certified stock, inspected while growing by authorized state agents and found grown from vigorous fields and free from serious diseases and varietal mixture. Sorting and grading to No. 1 grade is also required. Stock that is not certified is grown from certified seed.

The prices in this catalogue represent values at the time this book went to press and are subject to market changes.

For the Home Garden—Early Ohio and Irish Cobbler are the best early varieties, the former in the east and the latter in the west. One of the rural type is recommended for the late crop.

Warba Resistant. Warba is a new potato bred by the Minnesota Experiment Station, which is early, highly productive, resistant to mosaic disease, with upright compact vines. Tubers of excellent cooking quality and uniform size are round and blocky, of white flesh and pale skin with pink eyes, ten days earlier than Early Ohio. 5 lbs., 40c; 10 lbs., 70c; 30 lbs., \$1.65; 60 lbs., \$3.00.

Extra Early Six Weeks. The standard early potato in the south. It is round, reddish skinned, with rather deep eyes; of medium size. As they appear early in the spring on the northern market they command a large premium. 5 lbs., 35c; 10 lbs., 60c; 30 lbs., \$1.45; 60 lbs., \$2.75.

Irish Cobbler—Early Heavy Cropper. An early of medium size, and in light soil maturing almost as soon as the smaller cropping earlies. Its size, shape, good quality and appearance commend it. Our seed is grown in Red River Valley, Minnesota. 5 lbs., 35c; 10 lbs., 60c; 30 lbs., \$1.45; 60 lbs., \$2.75.

Rural New Yorker. No. 2. Very large, usually smooth, oblong, inclining to round, and rather flattened. Skin and flesh white; quality excellent, season intermediate. Tubers of great uniformity in size. Known everywhere as "Dusty" Rural. 5 lbs., 35c; 10 lbs., 60c; 30 lbs., \$1.50; 60 lbs., \$2.75.

Russet Rural. A mid-season late potato giving a heavy set of good sized potatoes, russet color outside, but inside a good clear white. Preferred in many sections to the Rural New Yorker. 10 lbs., 60c; 30 lbs., \$1.50; 60 lbs., \$2.75.



IRISH COBBLER.
5 lbs., 35c.

VAUGHAN'S IMPROVED EARLY OHIO.
5 lbs., 35c.

Vaughan's Improved Early Ohio (Red).

A week to 10 days earlier than other strains of the same variety. The reason for this is not only in the great care with which our seed is selected, grown and housed, but it is produced under conditions which are the most favorable in the Red River Valley of Minnesota, the natural home of high-class potato seed. 5 lbs., 35c; 10 lbs., 60c; 30 lbs., \$1.45; 60 lbs., \$2.75.

Katahdin.

Originated in Maine by the U. S. Dept. of Agriculture, it takes its name from Mt. Katahdin. The government spent \$250,000 in producing this variety. It is a slightly oval white, very smooth, with shallow eyes. The vines are light green and vigorous. So far no trace of mosaic has been found on plants of Katahdin. It ripens about a week earlier than Rural New Yorker and has consistently out-yielded Rural New Yorker and Green Mountain, and grades out with a smaller percent of No. 2 grade and culls. The type is very uniform and in cooking and eating qualities it is unsurpassed. Katahdin does well on rich peat soils and on muck. 5 lbs., 40c; 10 lbs., 70c; 30 lbs., \$1.60; 60 lbs., \$2.85.



Field run pumpkins from our trials. Left to right: Top row: Mammoth French, Big Tom, Large Cheese, Mammoth Prize. Middle row: Japanese Pie, Golden Cushaw, Striped Cushaw, White Cushaw. Lower row: Bush or Everbearing, Sugar Pie, Winter Luxury, Kentucky Field.

Big and Small Pumpkins

SOW when the ground is warm and give the plants room to ramble. The partial shade of the sweet corn plot is ideal. A few hills will provide amply for pies and jack-o'-lanterns.

★Autumn, Bush, or Everbearing. In 100 days.

For the first time we offer a genuine bush form pumpkin, a boon for the home garden where space is limited. On a bush similar to that of Italian marrow, requiring a space 4 ft. square, it bears small pumpkins, excellent for pies. Pkt., 10c; oz., 15c; ¼ lb., 45c.

★Vaughan's Small Sugar Pie Pumpkin. 110 days.

Well known as the best pie pumpkin. The fruit is small to medium size, with solid fine grained flesh, and a sweet, sugary, delicious flavor. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

★Large Field or "Big Tom." 110 days.

The standard pumpkin grown in corn fields for a feeding crop. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.



BUSH PUMPKIN. Pkt., 10c. Fine for Small Gardens.

Cushaw. 110 days. We offer three strains. White, Striped and Golden. A favorite pumpkin for pies, having no seeds in the neck, all being confined in the enlarged portion near the blossom end. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Vaughan's Mammoth Prize. In about 120 days. Specimens have grown to 100 lbs.; notwithstanding, it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a long season and plenty of room (one plant to a hill). Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Sweet Potato. In 110 days. Bell-shaped. White flesh. Used for pies. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Winter Queen or Winter Luxury. In about 100 days. A quality pie pumpkin and the best winter keeper. Nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Japanese Pie. About 110 days. Fine quality, good keeper. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

Large Cheese. About 110 days. Large, flat like a cheese box. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

Kentucky Field. In 120 days. Medium size, oval shaped, lemon-yellow color. Pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 75c.

TREAT WITH QUICK, EASY SEMESAN BEL

DIP FOR LARGER POTATO CROPS

A one minute dip in Semesan Bel solution will reduce scab and rot, even when used on clean seed potatoes. Increases in yield usually result. Directions for treatment are supplied. One pound treats 60 to 80 bushels. Prices of Improved Semesan Bel: 2 oz., 30c; 1 lb., \$1.65; 5 lbs., \$7.15; 25 lbs., \$33.25; 100 lbs., \$125.00.

SWEET POTATOES

We offer Yellow Jersey (the most popular northern sort). Grown especially for seed. 10 lbs., 90c; bu., \$2.50; by express collect only.

Nancy Hall. 10 lbs., 85c; bu., \$2.25 by express collect only.

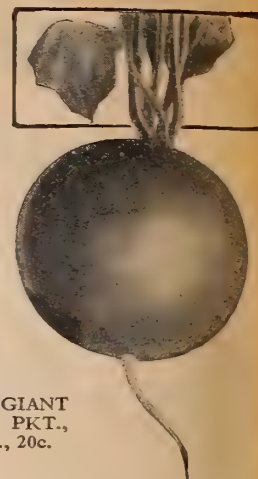
SWEET POTATO PLANTS

100 plants, 75c; 200 plants, \$1.25; 500 plants, \$2.50; 1,000 plants, \$3.75, postpaid. 1,000 plants by express collect, \$3.00.

Varieties Nancy Hall, Porto Rico, and Yellow Jersey are offered, shipped direct from our growing station in Southern Illinois. They will be ready for shipment from April 15 to June 15. Our method of packing should insure safe arrival of plants in good condition. If larger quantities than quoted above are wanted, ask for special quotation.

Radishes for *Eight Months* are Possible for *Home Gardens*

★**Giant Butter.** 28 days. By far the largest of the early turnip radishes. In rich soil it will produce crisp, spicy, tender roots of perfect globe shape two inches in diameter, only a week later than the smaller globe types. It is usable for a much longer season before it begins to turn pithy and by planting a succession of crops it can be enjoyed throughout the summer. It is seldom found in the market and will make your friends talk. Pkt., 10c; oz., 20c; ¼ lb., 50c.



RADISH, GIANT BUTTER, PKT.,
10c; OZ., 20c.



Iceicle Crimson Globe French Breakfast Scarlet Globe Sparkler
Vick's Scarlet Globe Saxa Cincinnati Market

★**Early Scarlet Globe Select.** (F.) 20 days. Vaughan's Glasshouse Strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright scarlet in color, of uniform globe shape. It is ready for the table in 25 days. For the home, plant every 10 days until into June; again end of August.

Short Top—Pkt., 15c; oz., 25c; ¼ lb., 50c; lb., \$1.50.

Medium Top—Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

★**Scarlet Turnip White Tip.** 26 days. Vaughan's Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color with white tip, and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate.

Vaughan's "Sparkler" Strain for Open Ground. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

★**Iceicle.** 25 days. The finest white, which remains crisp and mild long after maturity. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession. Pkt., 15c; oz., 35c; ¼ lb., \$1.00.

Saxa. (F.) 20 days. This is a European variety which has become very popular in the United States. It is one of the very earliest radishes and slow to run to seed. The tops are very small, the radishes are round and bright scarlet. We recommend it for the first planting in the garden, and also for forcing in hotbed and greenhouse. Pkt., 10c; oz., 20c; ¼ lb., 45c; 1 lb., \$1.25.

Vick's Scarlet Globe. An olive shaped Scarlet Globe Radish maturing in 20 days. Remains firm and tender. Pkt., 15c; oz., 25c; ¼ lb., 50c; lb., \$1.50.

Early Long Scarlet Short Top. 28 days. A long, straight, smooth, red radish; it grows partly above ground, developing a long, tender, crisp and sweet root. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Crimson Giant. (F.) 28 days. For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow thinly. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

Brightest Long Scarlet. 28 days. This is a home garden favorite; the body is brightest scarlet color, which blends downward to a long tip of pure white. Matures in 25 days. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Improved French Breakfast. (F.) 25 days. Early olive-shape 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 90c.

Cincinnati Market. 30 days. A long red radish, short top. If your market uses a long sort try this one. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Early Deep Scarlet Turnip. 26 days. An old standby. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Radishes supply, in a 2 oz. portion, 6 IU of Vitamin B1, 11 milligrams of Vitamin C, 0.01 milligram of Vitamin B2. Sow them thinly with slow germinating seeds such as carrots, parsnips, and parsley and harvest the radishes before the companion crop begins to mature. Make frequent sowings of the early types in small quantity.

To Mail Order Buyers

See your Order Blank on Page 3 for special Mail Order Offer on packets, ¼ lb. and 1 lb. units of Peas, Beans and Corn, which will save you money on these important food crops.

RADISHES from April to December are possible for the home gardener who sows early, midseason, summer and winter types.

Our strains are grown with the greatest care, which involves considerably increased cost, but the additional cost is small compared with the great difference in your crop.

Quick growth is the secret of success. A rich, light soil is required. The globe and olive varieties grow faster than the long type, and turn pithy sooner. The long types grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed to develop in the cool, moist fall weather. Quantity needed for 15 to 20 ft., 1 pkt.; 75 ft., 1 oz.

SUMMER RADISHES

When hot weather comes and spring varieties would turn pithy or run to seed, the varieties listed below will keep in good condition for a long time and furnish a most welcome tang to the salad course. Note that they mature more slowly, so sow them early enough. All of the following:

Price, pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Long White Vienna. In 29 days. Snow white, very brittle and crisp.

White Stuttgart. About 45 days. A turnip-shaped large white radish.

White Strassburg. About 40 days. Larger size and thicker than Vienna. Very solid.

Long Season Radish Mixture. ½ oz. pkt., 15c.

This is a mixture composed of equal parts of the following early midseason and late varieties: Scarlet Globe, Giant Butter, Iceicle, Brightest Long Scarlet, and White Stuttgart. Sow thinly in the row, and harvest as they mature. This mixture will provide an interesting assortment of radishes for the table, spread over two months of harvest.

WINTER RADISHES

These should be sown from late in June to August, to produce the final radish crop. They grow largest of all and can be stored for some time after the ground is frozen. In spite of their size they are mild and of fine texture.

Each of the following, pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

California Mammoth Winter. About 60 days. Long, very large size.

Rose or Scarlet China. In about 52 days. Rose, medium size, fine keeper.

Chinese Mammoth or Celestial. About 60 days. Immense size, flesh always crisp and mild.

Black Spanish, Long. In 58 days. Black skin and white flesh.

Black Spanish, Round. In 56 days. Like Long Black, only round.

(F.) Forcing Sorts.

★Varieties designated by a star as illustrated on this page are recommended as of especially fine strains and suited to the home garden.

Here Are the Green Leafy Vegetables Richest of all in Vitamins



SPINACH KING OF DENMARK. Pkt., 10c.

Spinach

SPINACH delights in cool, moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety, listed below, is most free from this tendency. Home gardeners have generally adopted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. The value of spinach in the diet has been scientifically established by the vitamin investigation.

★**Viking.** 45 days. This 1935 All-America winner bears largest leaves of the thick-leaved type, and is almost as long standing as King of Denmark. Its leaves are smooth to slightly crumpled, dark green, and of excellent quality for home and market. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

★**King of Denmark** (Antvorskov). 48 days. In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes), compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c.

★**Bloomsdale Long Standing.** 45 days. Latest of the Long Standing Spinach introductions. Improvement was accomplished through the selection of hermaphrodite plants (bisexual), which run to seed much more slowly than the unisexual. This variety is of better quality than the Antvorskov (King of Denmark), having larger, Savoy type leaves. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

★**Nobel Giant Thick Leaved.** 45 days. The seed of this thick-leaved variety produces the largest spinach under cultivation. It grows rapidly and remains in good condition a long time. The medium-green leaves are large, rounded, slightly crumpled, succulent and tender. It is an excellent home garden spinach. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c.

★**Bloomsdale Dark Green.** 43 days. The leaf is savoyed, or crinkled, and of a darker green than Bloomsdale Long Standing. The dark color is preferred in some markets. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

★**Princess Juliana.** In 50 days. This is a new type of "Long Season" Spinach. The leaves are of good size, very dark green, well crumpled and thick. The first plants of Spinach to bolt to seed are the male plants. (Spinach is generally dioecious; i. e., there are male and female plants.) This first bolting seed has been eliminated in this new race by the production of hermaphrodite plants, these plants seeding much later than male plants. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c.

Old Dominion. 40 days. The same as Virginia Blight-Resistant in type and quality. Will eventually take the place of Virginia because of its long standing qualities, which permit early fall planting. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

★**Vaughan's Special.** In 43 days. An early, smooth leaved spinach, being more upright in growth than other spinaches and nearly a long standing variety. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c.

★**Prickly Seeded Hollandia.** 43 days. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

★**Bloomsdale or Norfolk Savoy-Leaved.** About 40 days. Is a very hardy sort; the leaves are very thick and blistered, making it a fine shipper; it is a good standard size. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

NEW ZEALAND SPINACH

★**New Zealand Spinach.** *Tetragonia Expansa.* 60 days. While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Do not sow seed until May 1st or when the soil is fairly warm. Plant in rows 3 feet apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c.



CUT & COME. LARGE WHITE RIB. SWISS CHARD. Pkt., 10c.

Swiss Chard

★**"Cut and Come Again."** 45 days. This vegetable gives maximum returns for little care and space; it yields a constant crop from July to Winter. The leaves are used for greens the same as spinach or beet tops. Sow early in spring, in rows 16 inches apart, and thin out to 6 inches in the rows. The leaves grow very large. Cut the leaves off and new ones grow quickly. As it grows, thin out for use and keep clear of weeds. Leaflet of recipes enclosed upon request. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

★**Lucullus Swiss Chard.** About 55 days. A new Moss Curled sort. Very large leaves. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

★**Large White Rib (Dark Green).** The leaf is large, smooth, dark green on a long fleshy stem, 1 to 2 inches wide. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

★**Fordhook.** This variety resembles Lucullus, but is a darker green. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

★**Rhubarb Chard.** A recent introduction having all the chard characteristics excepting color. It has dark green, heavily crumpled leaves and crimson stem and mid rib. Pkt., 25c; $\frac{1}{4}$ oz., 65c; $\frac{1}{2}$ oz., \$1.00.

Garden Sorrel

Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but should be divided every four years. Pkt., 15c; oz., 75c.

TO MAINTAIN FAMILY HEALTH FOR NATIONAL DEFENSE

Spinach Supplies

in 3½-oz. cooked portion:
Vitamin A 14,000 I U
Vitamin B: 27 I U
Vitamin C 13 Milligrams
Vitamin B:

New Zealand Spinach Supplies

in 3½-oz. cooked portion:
Vitamin A 7,500 I U
Vitamin B:
Vitamin C 0.45 Milligrams
Vitamin B:

Swiss Chard Supplies

in 5½-oz. cooked portion:
Vitamin A \$12,000 I U
Vitamin B: 15 I U
Vitamin C 28 I U
Vitamin B:

Kale Supplies

in 3½-oz. cooked portion:
Vitamin A 9,000 I U
Vitamin B: 45 I U
Vitamin C 28 I U
Vitamin B:

Mustard Greens Supply

in 2½-oz. cooked portion:
Vitamin A 100 I U
Vitamin B: 30 I U
Vitamin C
Vitamin B:

Kale or Borecole

Greens for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later. Frost improves flavor.

★**Dwarf Green Curled Kale.** In about 55 days. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in south find ready sales in the north. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

★**Vaughan's Excelsior Moss Curled Kale.** Ready in about 55 days. Plants grow 18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

★**Tall Green Curled.** About 60 days. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

★**Siberian.** In 65 days. Plant dwarf, spreading and very hardy. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

★**Sea Kale.** Plant in rows 4 to 6 feet apart. Seedlings yield a crop third year. No Seed Available.

Mustard

Leaves useful as salad or boiled like Spinach. Matures in 30 days.

★**Chinese Smooth.** Large, light green, smooth leaves, borne well above the ground. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

★**Florida Broadleaf.** Upright growing, deep green leaves, fairly smooth. Desirable for greens because of the ease of preparing and its pleasant pungent flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

★**Giant Southern Curled.** Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

★**Improved Ostrich Plume (Fordhook).** The handsomest of the mustards. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

★**White.** Good for general use. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

New Fast Grower

★**Tendergreen.** A new variety of greens, producing only a small root, but large dark green leaves having a small rib. It is the only vegetable that is ready for table or market in 21 to 25 days after planting, and will produce 8 to 9 crops a year. An excellent addition to the list of greens. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 60c.

Nutritious Squashes

★ ★ ★ ★ ★ ★ ★ ★ ★ ★
**TO MAINTAIN FAMILY HEALTH
 FOR NATIONAL DEFENSE**

Squash, Winter, Yellow Flesh, Supplies
 in 4-oz. cooked portion:
 Vitamin A 2,900 I U
 Vitamin B₁ 21 I U
 Vitamin C 3.5 Milligrams
 Vitamin B₂

Squash, Summer, Supplies
 in 4-oz. cooked portion:
 Vitamin A 170 I U
 Vitamin B₁ 16 I U
 Vitamin C 3.5 Milligrams
 Vitamin B₂



NEW ITALIAN MARROW IN FOUR STAGES OF GROWTH, ALL DELICIOUS

A HOME GARDEN WINNER.

★ **New Italian Marrow or Zucchini.** (Cucurbita Pepo.) 60 days. When matured it is 18 in. long, 5 to 7 inches in diameter and an excellent keeper, very dark green. A bush type and very productive. There is nothing better for slicing and frying when small, and if kept picked, will continue to bear until frost. Delicious in the "baby" stage, 3 to 6 inches long. There are two strains, one light green with lighter markings, the other dark green or almost black. Both are the same shape and size.

Light Green Strain. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.
Dark Green Strain. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Fordhook Zucchini. 68 days. Similar to Black Zucchini but about 1 ft. longer. Like other Zucchini types this must be cooked and served when young. Pkt., 20c.

Cocozelle (Italian Vegetable Marrow). Ready in about 65 days. A bush variety. Fruits oblong, ribbed, 2 ft. in length. Color dark green with yellow and darker green stripes. Very fine flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Zucca de Pergola. About 110 days. (Cucurbita Pepo.) Grows 3 feet in length and 3 inches in diameter. Pale green in color. Used by Italians for slicing and frying like egg plant or baking, stuffed with meats. Pkt., 15c; oz., 35c; ¼ lb., \$1.00.

Vegetable Marrow. About 100 days. (Cucurbita Pepo.) The fruit is generally eaten when less than half grown, as the flesh is then very tender. Also an excellent winter keeper when mature. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., \$2.25.



SQUASH BUTTERCUP. Pkt., 10c; oz., 20c.



SQUASH SWEET POTATO IMPROVED. (Delicata Resistant). Pkt., 15c; oz., 35c; ¼ lb., \$1.00.

SQUASH are growing in popularity with home gardeners. They must be sown in warm, rich soil in hills 8 to 10 feet apart for the vine varieties and 3 to 5 feet for the bush sorts. The squash borer is the principal enemy, and the best protection against it is to cover the vine with soil at several joints. It will take root where covered and limit the damage done by the borer.

★ **Acorn, Table Queen, or "Des Moines."** Specify Green or Golden. Matures in about 58 days. In size equals a coconut, and a half, baked, serves one person amply. The shell is usually thin and it does not require over twenty minutes for baking or boiling. The color is dark green, keeping this color after picking and storing. The meat is dry and mealy. It yields enormously—a few hills furnishing an ample supply for a good sized family. (Cucurbita Pepo.) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Improved Acorn. Matures in about 65 days. about ½ larger, having a rounded blossom end instead of pointed. Pkt., 20c; ½ oz., 30c; oz., 50c.

★ **Buttercup.** The seeds are centered in blossom end and the rest of the interior is heavy flesh. This is a winter keeper. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Sweet Potato Improved. (Delicata Resistant.) 100 days. Its vigorous vine, resistant to mosaic disease, produces fruits averaging 8 to 9 inches, 3½ to 4 inches in diameter. Cream skin is marked by green stripes, flesh thick, orange and of unsurpassed sweetness. Pkt., 15c; oz., 35c; ¼ lb., \$1.00.

★ **"Sweet Potato."** 100 days. It is an improved Queen. The fruit averages 6 to 8 inches long and it is thick fleshed. When baked and served with melted butter it is a table delicacy of the first order. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

★ **"Kitchenette"** (Hubbard). 110 days. "Kitchenette" because it is the smallest Hubbard, about 5 pounds. They are a glossy dark green, fully equal to any Hubbard. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

★ **Vaughan's Chicago Warty Hubbard.** 110 days. Vaughan's Chicago Warty Hubbard Squash has been bred to the highest quality; fruits are large, rough dark green skin, flesh is bright orange, fine grained, rich and dry. (Cucurbita Maxima.) Pkt., 10c; oz., 20c; ¼ lb., 60c.

New Brighton. 120 days. Of the Chicago Warty Hubbard type but twice the size. A very fine squash and well selected. This should be grown where the demand is for a large type. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★ **Blue Hubbard.** 110 days. A third larger than Chicago Warty and more prolific. We believe that it is superior in yield, quality, size and keeping. The blue-grey shell is more attractive and many prefer it. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$1.75.

Original Hubbard. In 110 days. Not as large as Chicago Warty, but in shape and quality it is similar. (Cucurbita Maxima.) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Delicious. In 110 days. Specify Green or Golden. A fall and winter variety. The fruit varies from 5 to 10 pounds each. (Cucurbita Maxima.) Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

Prolific Straightneck. 55 days. Excels in tenderness, color, and productiveness. Served when about 6 in. long it is a delicious treat. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Benning's Bush. 55 days. White bushy type, small, light green markings. Use when young. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Mammoth White Bush. About 60 days. An improved selection of "Early White Bush," much larger and deeper, has fewer scallops, and is a heavier producer. (Cucurbita Pepo.) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Yellow Bush. About 52 days. (Cucurbita Pepo.) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Mammoth Chili. In 100 days. A popular exhibition sort. Specimens grow as large as 100 pounds. Rich orange yellow color. (Cucurbita Maxima.) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

Early White Bush. About 55 days. (Cucurbita Pepo.) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Yellow Summer Straightneck. In about 60 days. This is a desirable improvement over the crookneck type. It will pack easier and produce as heavily. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Giant Yellow Summer Crookneck. In about 55 days. Our strain produces fruit nearly double the size of the old "Crookneck." (Cucurbita Pepo.) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Banana Squash. In 105 days. Of sweet potato quality. 12 inches long, 6 inches in diameter, tapering at either end. Grey-green color. (Cucurbita Maxima.) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

Squash, Green Gold. Pkt., 25c; oz., 50c; ¼ lb., \$1.50.

Squash, Yankee Hybrid. Pkt., 15c; oz., 75c; ¼ lb., \$2.50.

Boston Marrow. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Fordhook. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Yellow Summer Crookneck. Pkt., 10c; oz., 15c; ¼ lb., 45c.

Turnips

TURNIPS are cool weather plants and thrive best in Spring and Fall. For early use seed should be sown as soon as the ground can be prepared and will give roots large enough for the table in six to ten weeks. For the Fall crop seed should be sown June to August and the plants will grow until freezing weather, when they should be harvested and stored.

★ **Purple Top White Globe.** 57 days. Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe-shaped, fine appearance, a good keeper. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

Purple Top Strap-Leaved. About 46 days. A table variety, fine, tender and deliciously flavored. It is broad shaped; medium size, white flesh, fine grain, splendid quality. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

Golden Ball or Orange Jelly. About 65 days. Medium size, globular table turnip. Flesh yellow, sweet. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Early Snowball. In 40 days. Small, white, splendid quality. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Early White Milan. In 42 days. This can be used Spring or Fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Shogoin. 30 days. A Japanese turnip used principally for greens. The root is small but the top is like mustard tops. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Seven Top. 30 days. A variety much grown in the south for the tops, which are used as greens. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

Large Yellow or Amber Globe. In 76 days. Fine quality and sweet. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

Extra Early Purple Top Milan. About 42 days. An excellent medium size turnip; white flesh. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

White Egg. 60 days. Early, white skin, egg shape, tender. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

TURNIPS FOR STOCK

Cow Horn or Long White. In 70 days. Grows nearly half way out of the ground, carrot-shaped, pure white. Oz., 15c; ¼ lb., 35c; lb., \$1.00.

New Nutrition Science Rates Tomato Highest

OF ALL the vegetables which provide precious vitamins for the human diet, recent investigations have established the tomato in first place. When eaten raw, cooked, or canned, or when its delicious juice is served as a beverage, it is among the richest of vitamin sources. A 7 oz. portion raw provides 6,000 IU of Vitamin A, 52 IU of B1, 50 milligrams of C, 0.10 milligrams of B2.

Tomatoes should be started indoors. The plants may be set in the garden when danger of frost is over. Hot sun is needed to ripen tomatoes and plenty of water to keep them growing. If trained to stakes or trellises they will ripen sooner.

Quantity needed for 150 plants, 1 pkt.; for 2,000 plants, 1 ounce. Dates given are from transplanting to first ripe fruits.

THE LARGEST TOMATOES

***Ponderosa—The Giant Tomato.** Matures in about 88 days. Of the large fruited varieties, this one is most popular. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches one pound in weight. Tomatoes grow in beautiful clusters. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells. Pkt., 15c; ½ oz., 35c; oz., 60c.

Golden Ponderosa. Pkt., 15c; ½ oz., 40c; oz., 75c.

***Oxheart.** Matures in about 90 days. Popular because of its shape, large size, and excellent table qualities. Not a heavy yielder but large size, often weighing 3 lbs. or more. Skin pink, almost seedless, firm, sweet flesh frequently 2 inches thick without a seed cavity, slices well. Pkt., 15c; ½ oz., 45c; oz., 80c.

Golden Oxheart. Pkt., 20c; ½ oz., 50c; oz., 90c.

Beauty (Purple). 82 days. Is the most popular of the large purple sorts. Vines large, vigorous and heavy bearers, fruit large, uniform; very smooth purplish pink skin; flesh light pink. Pkt., 10c; ½ oz., 25c; oz., 50c; ¼ lb., \$1.50.

Crimson Cushion or Beefsteak. In about 96 days. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Plants are very prolific, fine appearance. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

New King. 100 days. Exceptionally large pink fruit. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.60.

Prodigious. 100 days. Latest development by our friend William E. Vail, Yorktown Heights, New York, of enormous size. We have but very little seed of this and can offer it only in packets. We recommend this as being one of the largest tomatoes produced. Pkt., 25c.

EARLIEST VARIETIES

***Bounty.** 60 days. The earliest small vine tomato yet produced. Introduced by Dr. Harold Mattson, North Dakota Experiment Station. Excellent for the home garden, very productive. Light green turning to bright red when ripe. See page 7. Pkt., 25c; ½ oz., 50c; oz., 90c.

***Firesteel.** 62 days. A small vine, large fruited tomato that is early, smooth, red through, of semi-acid flavor. For dry seasons there is nothing equal to it. It will set fruit when other types are dropping their blossoms. Pkt., 15c; ½ oz., 35c; oz., 65c.

***Vaughan's Select Earliana.** 66 days. Large, smooth bright red tomato. This variety is compact with stout jointed branches; the vines yield well and the fruit is solid and of fine quality. Pkt., 10c; ½ oz., 35c; oz., 60c.

Victor. 67 days. Pkt., 15c; ½ oz., 35c; oz., 65c.

Nystate. In 68 days. From N.Y. Experiment Station. A second early. Fruits large, smooth, oval; cavity shallow. Pkt., 10c; ½ oz., 25c; oz., 40c.

June Pink. In 69 days. This is the earliest of the pink varieties and is similar in habit to the famous Earliana. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50.

John Baer. About 70 days. Extra early red. Not quite so early as Earliana, though there is only a few days' difference. John Baer yields a much heavier crop of larger, more uniform and more attractive fruits. Most profitable extra early sort. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

John Baer, Certified. Pkt., 10c; ½ oz., 25c; oz., 40c.

John Baer, Resistant. Pkt., 15c; ½ oz., 35c; oz., 65c.

Bonny Best. 74 days. A shade later than John Baer. Smooth, large and uniform fruit; yields well until frost. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.00.

Chalk's Early Jewel. In 74 days. The original large smooth extra early red. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.10.

Bison. 60 days. Very early, small vine. Pkt., 10c; ½ oz., 35c; oz., 60c.

Pan America Tomato. About 80 days. One of the latest Government developments for which they claim superiority in quality, firmness, and productivity. Ripening from the inside out, producing a crop in mid-season that is nearly free from cracks. Pkt., 25c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

MAIN CROP VARIETIES

Early Detroit (Purple). In 80 days. Bears uniform, large, handsome, smooth fruit through the long season, yielding more market than Beauty. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.60.

Essar. 95 days. Developed by California Experiment Station. Decidedly resistant to Verticillium Wilt. A red semi-globe to flat fruit, firm, good walls, small seed cavity. Pkt., 25c; ½ oz., 75c; ¼ lb., \$1.25.

Vaughan's New York. About 80 days. It is a second early red-skinned, firm fleshed tomato of high quality, good size and attractive appearance. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Gulf State Market. About 80 days. This purplish pink tomato was developed from Early Detroit. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50.

New Globe. Matures in about 82 days. This ball-shaped variety yields a heavy crop. The skin is a smooth, purplish pink. Uniform fruits. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Cooper's Special. 82 days. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.60.

Greater Baltimore (Indiana Strain). In about 83 days. Similar to Stone and very productive, fruits deep scarlet red often weighing 6 ounces; smooth and very solid. Pkt., 10c; ½ oz., 25c; oz., 45c.

Greater Baltimore (Indiana Strain) certified. Pkt., 10c; ½ oz., 30c; oz., 50c.

Dwarf Champion. About 86 days. Owing to its dwarf habit and upright tree-like growth, it is a great favorite. It is of medium size, very smooth, purplish pink. Pkt., 10c; ½ oz., 35c; oz., 60c.

Improved New Stone. About 86 days. One of the best main crop varieties, with smooth skin, small core, fine-grained flesh with little acidity. Pkt., 10c; ½ oz., 25c; oz., 35c.

Dwarf Stone—The Largest Dwarf Tomato. 92 days. It resembles "Dwarf Champion," but is of stronger growth and more erect. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

New Disease-Resistant Strains

***Break O'Day.** 70 days. Developed by F. J. Pritchard, of Washington, D.C.

A new wilt-resistant tomato that is nearly as early as Earliana and as productive as Marglobe. Its fruits are large, smooth, meaty, red and globular, very similar to Marglobe but usually larger. Used whole for salads or stuffed. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Illinois Pride. About 70 days. Illinois University selection, better producer on clay soil than Marglobe. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Early Baltimore. 73 days. Illinois University selection, thriving on all soils. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Early Baltimore certified. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.



A CLUSTER OF PONDEROSAS

YELLOW TOMATOES

***Mingold.** 85 days. See page 7. Pkt., 15c; ½ oz., 35c; oz., 65c.

Golden Queen. 84 days. Golden yellow. Pkt., 10c; ½ oz., 30c; oz., 50c.

SMALL FRUITED TOMATOES

Very Desirable for Pickles and Preserves. Mature in about 73 days.

Dwarf Pear. 73 days. Improved type. Producing as many or more pears on a dwarfed bush. 18 inches in diameter. Pkt., 15c; ½ oz., 40c; oz., 75c.

Any of the following, pkt., 10c; ½ oz., 40c; oz., 75c.

Red Currant. Very small.

Red Cherry. Small fruit, bright scarlet.

Two Peach Tomatoes. Red or yellow.

Yellow Plum and Red Plum. Fruit 2 inches.

Yellow Pear and Red Pear. Distinct shape.

Ground Cherry, Husk or Strawberry. The small yellow fruit is enclosed in a husk. It is very sweet; prized for eating, preserving and making pies.

Italian Canner. 75 days. A very productive, long plum-shaped tomato. It is firm, not having any hollow parts, and the walls are exceptionally thick. Pkt., 15c; ½ oz., 60c; oz., \$1.00.

FORCING TOMATOES

Choicest strains for greenhouse.

Bonny Best. Red. The most popular American variety, for forcing. Forcing strain.

Grand Rapids. Red. Lloyd. Red.

New Globe. Pink. Michigan State Long Calyx. Red.

Forcing. Red. Sureset. Pink.

Any of above, pkt., 25c.

Globelette. Pink. Pkt., 50c; ½ oz., \$1.25; ¼ oz., \$2.00; oz., \$3.50.

Scarlet Dawn. In 70 days. Wilt and rust resistant, of deep red color, globe shape, heavy yielder. Pkt., 10c; ½ oz., 35c; oz., 60c.

***Pritchard (Scarlet Topper).** 76 days. The fruit is solid, yield heavy and the color a brilliant red. It is a resistant second early of great merit. Pkt., 10c; ½ oz., 30c; oz., 50c.

Pritchard certified. Pkt., 15c; ½ oz., 35c; oz., 60c.

***Marglobe.** 77 days. A second-early, red-fruited variety equally suitable for trucking or canning. As early as Bonny Best, produces large, smooth, meaty, globular red fruits which ripen uniformly and are relatively free from cracks. They make a splendid canned product and first class pulp. Pkt., 10c; ½ oz., 25c; oz., 45c.

Marglobe certified. Pkt., 15c; ½ oz., 35c; oz., 50c.

Illinois Baltimore. 84 days. A selection made by Huelsen of Urbana, Ill. Maturing same season as Indiana Baltimore. Deeper through and having additional feature of being resistant. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Rutgers. In 86 days. New Jersey Experiment Station cross on Marglobe. One of heaviest croppers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

Rutgers certified. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.



BREAK O'DAY

Herb Plants

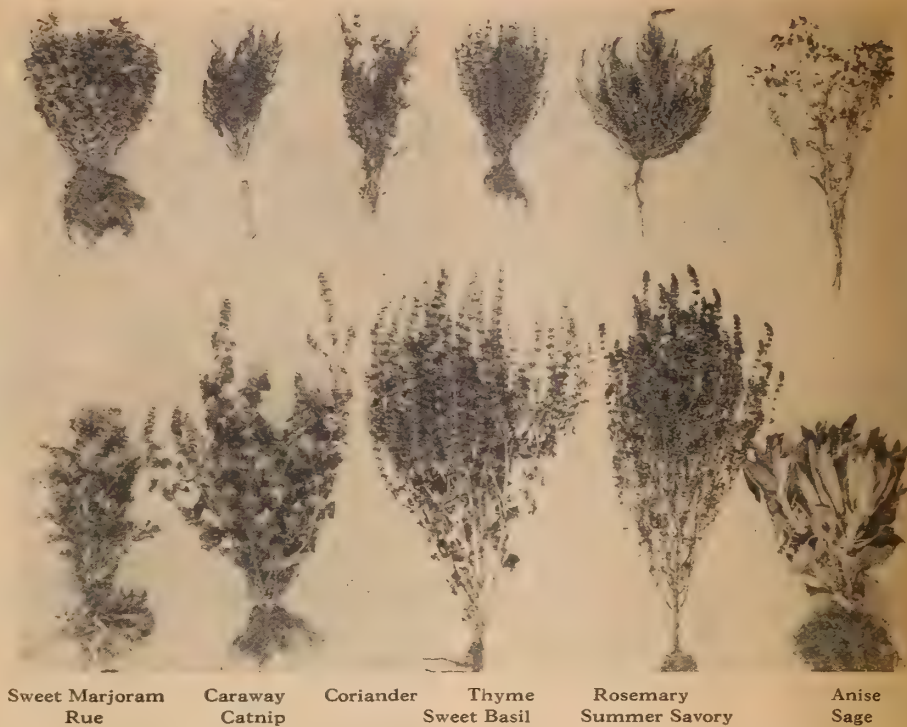
ANNUAL

Plants from 2½-inch pots of the following, ready May 1; Postpaid, Each 30c; 3 for 65c. In lots of 25 or more, 10c each, by express collect. Bush Basil, Green Basil, Holy Basil and Lemon Basil from Siam. Borage, Chervil, Florence Fennel, Sweet Fennel, Parsley, Summer Savory, German Chamomile and Garlic.

PERENNIAL

Plants from 2½ to 3 inch pots of the following, ready May 1; Postpaid, Each 35c; 3 for 85c. In lots of 25 or more, 20c each, by express collect. Lemon Balm, Burnet, Roman Chamomile, Costmary, Germander, Horehound, Hyssop (pink, white or blue), Applemint, Bergamot Mint, Curly Mint, Spearmint, Round Leaved Mint, Catnip, Pineapple Mint, Peppermint, Lavender Cotton, Green Lavender Cotton or Green Coral Plant, Lovage, Wormwood, Rue, Sage, Winter Savory, French Sorrel, Southernwood, Dwarf Southernwood, Tansy, Kitchen Thyme, Caraway Scented Thyme, Sweet Marjoram, Shallots, Skirret, Sweet Flag, Rampion and Yarrow and Japanese Mint.

Plants from 2½ to 3 inch pots of the following, ready May 1; Postpaid, Each, 40c; 3 for \$1.00. Rosemary, Lavender, True Tarragon, Aregano, Scented Geraniums, Rose Geraniums, Skeleton Rose Geranium, Mint Geranium, Nutmeg Geranium, Lemon Geranium, Lime Scented, Orange or Citrus Scented variety, Lady Mary, Balm Scented, Camphor Scented, Lady Taylor, Pheasants Foot, Oak Leaved Geranium, Giant Oak Leaved Geranium and Fair Ellen.



Sweet Marjoram Rue Caraway Catnip Coriander Thyme Sweet Basil Rosemary Summer Savory Anise Sage

Herb Vinegars

After fresh herbs have been infused in vinegar many weeks, vinegars are strained, filtered, and sealed in attractive glass jugs. A handy way to add these flavors to salad dressings, sauces, meats, pickles, etc.

- Basil**—A spicy flavor.
- Burnet**—Delicate cucumber flavor.
- Chives**—Where a delicate onion-like flavor is desired.
- Dill**—Strong dill flavor.
- Fennel**—Anise-like flavor.
- Garlic**—A handy way to add a suggestion of this flavor.
- Mint**—A basis for mint sauces; useful in many ways.
- Tarragon**—Much used in fine cookery.
- Mixed Herb Vinegar**—A careful blend of seven herbs, useful for many purposes.
- A handy glass jug of any of the above, holding about 4 oz. Per Jug, 35c.**
- Boxed Collection of Four 4-oz. jugs, your selection of above, Per Box, \$1.35.**

PIQUANT HERBAL JELLIES

Jaded appetites are tempted with jellies flavored with various herbs; and they make delicious and attractive accompaniments to the meat course. We have prepared six of these.

- Sage and Cider**—For poultry and pork.
- Thyme and Grape**—For beef and ham.
- Marjoram and Lemon**—For pork, beef or poultry.
- Savory and Grapefruit**—For lamb, duck and sausages.
- Mint and Honey**—For veal, lamb and turkey.
- Wild Crab Preserve**—For wild game or any meat course.
- Glass Jars, any of the above, containing 3 oz. Per Jar, 35c.**
- Box of four jars, your choice, \$1.35.**
- Box of six jars, your choice, \$1.85.**

TISANES OR HERBAL TEAS

Herb Teas in general are made by pouring boiling water over the dried herb (about one teaspoonful to each cup of water), allow to steep about ten minutes, strain. Serve plain or with lemon or honey. Milk and cream are taboo. A porcelain container, and not metal, is used as in making other teas.

Each of following, per jar, 40c.

- Basil**—Makes a spicy infusion that was used in times past.
- Chamomile**—Well known for its delightfully soothing quality.
- Lemon Balm**—Delightful lemon flavor.
- Mint**—Very refreshing with slice of lemon, served hot or cold.

10 Best Garden Herbs 75c.

One packet each of the following: Borage, Sweet Basil, Chives, Dill, Lavender, Sweet Marjoram, Rosemary, Saffron, Sage and Summer Savory. Catalog value, \$1.30. Cultural directions and data on use of herbs included.

INTEREST in herb gardening is reviving for two excellent reasons; the ornamental quality of herbs, and their value for contributing flavor to the menu and fragrance to the home. To enlarge our herb list it was only necessary for Vaughan's Seed Store, which was established in 1876, to go back to old catalogues when woodcuts were used as illustrations.

To keep herbs over winter, stalks should be cut on a dry day, when not quite in full bloom. They should be dried in the shade and when dry, packed tightly in boxes with air excluded. Varieties marked (*) are perennials.

MIXTURE OF ANNUAL HERBS. This is intended to meet the needs of those who want a row or bed of herbs without buying a full packet of each variety. It contains seeds of these ten annual herbs described below: Anise, Basil, Borage, Caraway, Coriander, Dill, Marjoram, Mountain Fennel, Summer Savory and Tarragon-Russian. Sow in a row, thinning out and transplanting to proper distance. Pkt., 15c.

MIXTURE OF PERENNIAL HERBS. For small gardens—this will give enough plants of each variety to supply the family needs. It contains seeds of these perennial herbs described below: Lovage, Burnet, Pennyroyal, Chamomile, Fennel, Lavender, Rosemary, Rue, Sage, Wormwood and Thyme. Sow in a nursery row and transplant in the fall to the permanent location. Pkt., 15c.

One packet of each of above herb mixtures (2 packets) for 25c.

- Anise.** Used for garnishing, seasoning and for cordials. Pkt., 10c; ½ oz., 30c.
- Balm.** Used for making Balm wine and tea. Pkt., 10c.
- Basil, Sweet.** The leaves are used for flavoring soups and stews. Pkt., 10c; ½ oz., 35c; oz., 60c.
- Borage.** Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 10c; ½ oz., 35c; oz., 60c.
- Caraway.** Seeds are used for flavoring bread, pastry, meats, etc. Pkt., 10c; ½ oz., 35c; oz., 60c.
- Catnip.** Grown for bee pasture. The leaves and young shoots are used for seasoning. Pkt., 10c; ½ oz., 30c; oz., 50c.
- Chamomile (Anthemis Nobilis).** The dried flowers possess medicinal value.
- Chives.** Member of the onion family used for flavoring. Pkt., 25c; ½ oz., \$1.25; oz., \$2.25. Plants, 3 for 65c; 12 for \$2.00.
- Coriander.** The seeds are used for flavoring. Pkt., 10c; ½ oz., 30c; oz., 50c.
- Dill.** Leaves are used in pickles and for flavoring soups and sauces. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.
- Fennel.** The leaves boiled are used in fish sauces and are excellent for garnishing. The seeds are used for flavoring. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.
- Fennel, Wild or Mountain.** Used for gums and medicinal purposes. Pkt., 10c; oz., 35c; ¼ lb., 60c.
- Horehound.** The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.60.
- Lavender.** The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are fragrant. There are two kinds.
 - ***Lavender Vera or True.** The best. Pkt., 10c; ¼ oz., 45c; ½ oz., 85c; oz., \$1.60.
 - ***Lavender Spica.** Not quite so strong as Vera. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.60.
- Marjoram (Sweet).** The leaves and ends of shoots are used for flavoring in summer and dried for winter use. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.60.
- Mint, Old Fashioned.** For mint sauce and juleps. Pkt., 10c.
- Pennyroyal.** Leaves are used for seasoning puddings. Pkt., 10c; ¼ oz., 45c; ½ oz., 80c.
- Peppermint.** The leaves and stems are used for flavoring and for oils. Pkt., 25c.
- Rosemary.** The leaves are used for seasoning. Pkt., 10c.
- Rue.** For medicinal purposes; good for fowls, for the roup. Pkt., 10c.
- Saffron.** Used for coloring dishes, also flavoring. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.
- Summer Savory.** The leaves and young shoots are used for flavoring. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.
- Sage, English Broad Leaf.** Pkt., 25c; ½ oz., \$1.50; oz., \$3.00.

Tarragon, Russian. An annual form of Tarragon, easily grown from seed and giving the same flavor as the perennial plant. Pkt., 25c.

- ***Thyme.** Used for seasoning; a tea is also made for nervous headache. Pkt., 10c.
- ***Wormwood.** Beneficial for poultry. Pkt., 10c.

Hardy Chrysanthemums

COLORFUL GARDEN TYPES

- Achievement.** New early light bronze, dwarf bushy plant. Blooms early September.
- Ann Miller.** Orange red, late September. Very nice variety.
- Autumn Lights.** Unusual coppery orange disc-shaped. Blooms about Sept. 20. Erect growth. Medium height and large blooms.
- Brilliancy.** Large semi-double, rich dark reddish bronze. Blooms Oct. 10.
- Dean Kay.** New. The first of a new hardy strain from Iowa. Extremely prolific and free blooming. Single plants run 4 feet in diameter with hundreds of 2-inch semi-double bright pink flowers. Ea., 50c.
- Harvest Gold.** Compact, stocky growth with large bright yellow flowers in mid-September.
- King Midas.** Hardy, vigorous type with immense golden yellow flowers tinged bronze when opening. Blooms Oct. 12.
- Lady Lavender.** 1939 Introduction. Large double silvery lavender blooms by Oct. 10.
- Mrs. Sam P. Rotan.** Big fluffy double golden yellow shaded to deep orange. Blooms Oct. 15.
- Na'oma.** Attractive full double rose-pink flowers with glistening sheen. Strong upright growth. In bloom Oct. 3.
- Rapture.** Outstanding large double terra-cotta, shaded carmine, orange and bronze. Quite hardy. Blooms Oct. 15.
- Sonoma.** Double bronze. Gold tipped petals. Blooms Oct. 5.
- Sunkist.** Medium size double bright orange flowers. Blooms Oct. 5.
- Symphony.** Very large flowers, 3 in. diameter, in mauve, rose, lilac and coppery shading. Blooms Oct. 12.

Price, except where noted, 40c each; 3 for \$1.00.

COLLECTION 116A: ONE EACH OF ABOVE 14 plants..... \$3.50

BUTTON OR POMPON TYPE

- Deanna.** Substantial size Buttons in rich bronze overlaid with coppery apricot shading. Blooms Sept. 30.
- Jewell.** Stout full button. Dark orchid pink. A great favorite.
- Pygmy Gold.** Dwarf growth, covered with round golden pompons. 1 in. diameter. Blooms in Sept.
- September Bronze.** Early light bronze pompon. One of the best.
- Sonny Boy.** Slightly larger and a shade lighter than September Bronze.
- White Gull.** Entire plant covered with soft balls of pure white.

Any of above: 35c each; Any 3 for 85c.

COLLECTION 116B: THE SET OF 6 PLANTS (Postage Extra) FOR..... \$1.50

GOVERNMENT VARIETIES

Developed by United States Department of Agriculture, the following new varieties have low bushy growth, and are free blooming. They show bloom Sept. 10th to 20th. Seminole is much earlier. All are dwarf type and extremely hardy.

- Amoskeag.** Semi-double light bronze.
- Barnegat.** Medium, semi-double lemon-yellow.
- Geronimo.** Double dark bronze.
- Muskogee.** Semi-double purplish-rose, slight yellow central disc.
- Seminole.** Double fluffy pure white. Extra early.

Any of above Government Varieties, 40c each; 3 for \$1.00.

COLLECTION 116D: ONE EACH OF THE 5 GOVERNMENT VARIETIES (Postage Extra). \$1.55

Additional Varieties, Back Cover Page.

PINCH BACK YOUR MUMS

To make garden Chrysanthemums bushy, covered with flowers, pinch off the tops of all stems twice before they attain the height of 10 inches. After the ground freezes give a liberal covering of hay, straw or leaves, to prevent premature thawing out during the winter and early spring.



LADY LAVENDER

CUSHION OR AZALEA-LIKE MUMS

- Amelia.** Known as Azalea-like mums. Very dwarf and early. Forms large mound covered with many medium size double light pink blooms.
- King Cushion.** Habit of growth same as Amelia. Very dwarf and early with light bronze flowers.
- Queen Cushion.** True Azalea type. Very dwarf and early. Medium size double white flowers.
- Yellow Cushion (New).** A yellow form of the cushion type which is a perfect match for the other colors. Foliage, flowers, growth and hardiness are the true Azalea type. Color a dark lemon-yellow.

Any of above; each, 35c; 3 for 85c; doz., \$2.50.

COLLECTION 116C: ONE EACH OF ABOVE 14 plants..... \$1.65

Santa Claus. New. Striking introduction with big, bushy growth covered by brilliant red flowers from September on. Height is medium and blooms average 2-inch diameter. Each, \$1.00; 3 for \$2.25.

Success With Chrysanthemums

Divide plants every spring. Plant in sunny but sheltered spot. During dry spells water heavily once weekly. Mulch with 1/2 inch straw litter about July 1st to promote early growth.



HUNGARIA

NEW KOREAN MUMS

Hardy single Daisy Chrysanthemums first introduced in 1934. Numerous new varieties have added to the charm, coloring and abundant flowering of this new race of hardy mums.

- Arcturus.** Massive amber yellow blooms, faint carmine suffusion.
- Pysche.** Large shell pink. 4 in. in diameter.
- Saladin.** Heavily petalled Daisy-like blossoms. 3 in. diameter. Oriental red with coppery tones.
- Sappho.** Bright lemon-yellow. Dwarf type. Blooms earliest of all.
- Saturn.** Sparkling orange bronze, thin halo of light orange.
- Vesta.** Showy deep orange blooms.

Any of above: 35c each; 3 for 85c; doz., \$2.50.

COLLECTION 116: THE SET OF 6 PLANTS (Postage Extra) FOR..... \$1.45

FALL BLOOMING PINK DAISY

- Chrysanthemum Clara Curtis.** New late blooming pink Daisy, perfectly hardy. Hundreds of salmon-pink flowers, 3 inches diameter, in late August from plants two years old. Each, 50c; 3 for \$1.50.
- Astrid.** New Hybrid of 1936. 18 in. tall, literally smothered with large flesh-pink Daisy-like flowers in early October. Extremely hardy.

New Cannas

Cannas are becoming more popular. The new varieties with large flowers in new colors are unequalled for creating a colorful show from July till frost. They do best in full sun and respond quickly to feeding.

Number of Cannas required for round beds planted eighteen inches apart each way: Seven feet—19 plants, one for center; six for first row, twelve for second row. Ten feet—37 plants, one for center; six for first row, twelve for second row, eighteen for third row.

POPULAR CANNAS

- Ambassador.** 3 1/2 to 4 ft. Bronze foliage; color, poppy red; very brilliant flowers.
- Eureka.** 4 ft. Free-flowering variety with striking white flowers which first appear cream. Green foliage.
- Hungaria.** 3 1/2 ft. Best pink Canna. Leaves bluish green, never burn. Flowers large, with big petals.
- King Humbert.** 4 ft. Scarlet flowers, bronze leaves. This remarkable "Gold Medal" Canna has been the sensation of the past fifteen years.
- The President.** 4 ft. A rich glowing scarlet on strong stalks; green foliage.
- Yellow King Humbert.** 4 ft. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red.

PRICES OF ABOVE

DORMANT 2-3 EYE ROOTS. Available March 1 to April 15; 3 for 45c; \$1.50 per doz., \$10.00 per 100.
POT PLANTS. Available April 20 to June 5; 3 for 75c; \$2.50 per doz.; \$16.00 per 100.

CHOICE CANNAS

- Copper Giant.** 4 ft. The finest variety we know. Its giant flowers borne on strong stalks with green foliage are of a vivid hue, with great carrying power, of madder red and old rose with a suggestion of burnished copper in the mass effect. It blooms continuously throughout the season.
- Improved Florence Vaughan.** 4 ft. Rated finest of all yellows. Large lemon-yellow flowers, faint red dots, luxuriant green foliage.
- Louis Cayeux.** 4 ft. Brilliant rosy scarlet. Large trusses. Showy and attractive variety. Green foliage.
- Sungold.** 4 ft. Very bright and vivid Chinese orange with golden yellow border. Green foliage. The most vivid orange Canna.
- Timbuctoo.** 4 ft. Very bright free-flowering yellow which does not fade in the sun. Green foliage.

PRICES OF ABOVE

DORMANT 2-3 EYE ROOTS. Available March 1 to April 15; 3 for 60c; \$2.00 per doz., \$12.00 per 100.
POT PLANTS. Available April 20 to June 5; 3 for \$1.00; \$3.00 per doz.; \$20.00 per 100.

All Canna plants F.O.B. our Greenhouses, Western Springs, Illinois. We recommend shipment by Express.

PENNISSETUM CUPREUM

The bronzy, ornamental Grass that attracted so much attention at A Century of Progress. Needs rich soil and sunny location. **Plants,** 3 for \$1.00; doz., \$3.00; 100, \$20.00.

Dahlias

IN THE following we offer what we consider the best of the Foreign and American Dahlias. We will supply Pot-Grown Plants and Tubers of the newer varieties and strong roots of proper planting size on all other varieties listed. Pot plants we do not advise planting before May 20th. With good care and soil, the pot plants make larger blooms.

KEY TO ABBREVIATIONS: F. D., Formal Decorative; I. D., Informal Decorative; S. C., Semi-Cactus; Str. C., Straight Cactus.

KEEPING CUT DAHLIAS

After cutting, strip the foliage except at the top; recut the stem and immerse in water as hot as the hand can bear, being sure that none of the foliage gets in the water. When the water cools the Dahlias are transferred to a pail of cold water and left in the cellar over night. We have found that they keep several days and increase in size.

Robert L. Ripley. (I. D.) A beautiful color combination, rhodamine purple with rose suffusions throughout. Price, each, Tubers, \$1.00; Plants, 50c.

Rosy Morn. (I. D.) Here is a color long desired in Dahlias, a brilliant deep rose-pink. Long, straight stems. Price, each, Tubers, \$1.50; Plants, 75c.

San Francisco. (I. D.) Color salmon pink. It is an outstanding variety with large blooms on strong stem. Strong grower with well proportioned and thrifty plant growth. Price, each, Tubers, \$2.00; Plants, \$1.00.

Sunrays. (I. D.) Clear buff with apricot suffusion, with a distinct peach red reverse, strong sturdy grower. A great prize winner. Price, each, Tubers, \$1.00; Plants, 50c.

Thelma Cain. (I. D.) Color light coral red, all outer petals but shades of jasper pink at center and on backs of petals. Good plants, best foliage and exceptionally fine grower. Price, each, Tubers, \$2.00; Plants, \$1.00.

Vin Well Bittersweet. (I. D.) Coppery red laid over amber. A Dahlia with an entirely new color and a perfect formation with large blooms and great depth on strong stems. A free and prolific bloomer and insect-resistant foliage. Price, each, Tubers, \$1.50; Plants, 75c.

Vin Well Bridesmaid. (S. C.) This is a very distinctive old rose, suffused and tipped yellow. Form is attractive as the petals curl and twist showing reverse color. Price, each, Tubers, \$1.00; Plants, 50c.

Volcano. (F. D.) Color orange flame red. Its huge size along with its great vigor makes this Dahlia an outstanding one. Tubers, \$1.00; Plants, 50c.

Your Lucky Star. (S. C.) The centers are white and the outer half is a distinct clear lavender. Very large well-formed flowers of unusual beauty. Good grower with fine stem. Price, each, Tubers, \$2.00; Plants, \$1.00.

Special Offer. (92) One tuber each of Geneva Surprise, San Francisco and Thelma Cain for \$4.20. Postpaid to 5th Zone.

Special Offer. (92A) One tuber each Director Carl G. Dahl, Kentucky Sportsman, Lois Walcher, Robert L. Ripley and Sunray for \$3.60. Postpaid to 5th Zone.

Special Offer. (92B) One tuber each Adolph Mayer Murphy's Masterpiece and Vin Well Bridesmaid for \$2.20. Postpaid to 5th Zone.

FORMAL DECORATIVE TUBERS ONLY

Avalon. Pure, clear yellow with large flowers. Price, each, 25c; 3 for 65c.

Bagdad. An immense flower of flaming scarlet-red, borne high above foliage. Each, 35c; 3 for 85c.

Buckeye Bride. A geranium-pink, a rare and beautiful shade. The flower is large, held at a correct angle on the stem. Price, each, 50c; 3 for \$1.25.

Buckeye King. A very large glowing amber yellow on splendid stems. Price, each, 35c; 3 for 85c.

Cavalcade. A beautiful new shade of old-rose. Flowers on long stiff stems. Each, 35c; 3 for 85c.

Clara Carder. A large cyclamen pink with a flush of yellow at the base. In a color class by itself. Price, each, 35c; 3 for 85c.

Fire Ball. Color brilliant scarlet which does not fade in the sun. While the blooms are not gigantic, they have great depth, borne above fine clean foliage. Price, each, 75c; 3 for \$2.00.

Florist White. Pure white, fine shaped flowers with long, stiff stems. Good grower. Price, each, 50c; 3 for \$1.25.

Gallant Fox. A brilliant red. Its keeping qualities, sturdy stem and fine color make it a valuable sort. Price, each, 35c; 3 for 85c.

Gertrude Brinton. True brick red. Large well shaped flowers carried on strong stems. Price, each, 25c; 3 for 65c.



BETTE DAVIS. Violet Rose. (Semi-Cactus)
Tubers, Each, 75c; 3 for \$2.00.

Outstanding Dahlias of Late Introduction

The following can be supplied in tubers and plants except where noted. Pot plants ready about May 20th.

Adolf Mayer. (F. D.) Very dark red, almost black. A real sensation. It is a clean strong grower. Price, each, Tubers, \$1.00; Plants, 50c.

Cherokee Brave. (I. D.) Ox-blood red that holds its color in the sun. Long stiff stems. Strong grower with heavy foliage. A prize winner. Price, each, Tubers, \$1.50; Plants, 75c.

Cheer Leader. (F. D.) Self-color of rose pink with long strong stems. Unexcelled as a cut flower. Large and deep flower. Prolific bloomer. Price, each, Tubers, \$2.00; Plants, \$1.00.

Darcy Sainsbury. (F. D.) Its large size and pure white color make it a standout in the garden. A good grower, free bloomer and fairly tall bushes. Price, each, Tubers, \$1.00; Plants, 50c.

Director Carl G. Dahl. (I. D.) Apricot buff shaded old rose or reverse of petals and center. A healthy robust bush which blooms in profusion. Is always a contestant. Price, each, Tubers, \$1.00; Plants, 50c.

Geneva Surprise. (F. D.) Orange cadmium blending to apricot-yellow, slightly suffused grenadine red. Large blooms carried on strong, stiff stems. A prolific bloomer. Price, each, Tubers, \$2.00; Plants, \$1.00.

Glamour. (I. D.) A true purple deeply edged amaranth pink. A real huge dahlia with size and depth. A consistent winner at exhibitions and it has many largest bloom prizes to its credit. Price, each, Tubers, \$1.75; Plants, 85c.

Greater Glory. (S. C.) A large rose-pink, shading lighter. Stems are long and strong and plant growth very thrifty. Tubers, \$1.00; Plants, 50c.

Katie K. (I. D.) A clear pink of large size on long stem. One of the best exhibition pinks. Price, each, Tubers, \$1.00; Plants, 50c.

Kentucky Sportsman. (I. D.) Color, gold, shading to apricot-yellow and then to a distinct orange, ending with white tips. Tubers, \$1.00; Plants, 50c.

Lois Walcher. (F. D.) Color, deep amaranth purple that breaks sharply into pure white. The stems are ideal. The healthy bush is an early and prolific bloomer. Price, each, Tubers, \$2.00; Plants, 50c.

Margie Parrella. (F. D.) Pure white. Blooms will open full in the hottest weather without being bruised or burnt. One of the best white cut flower varieties. Price, each, Tubers, \$1.00; Plants, \$1.00.

Mayor Frank Otis. (I. D.) Soft, rich golden yellow with just a touch of copper shading. A vigorous grower, free bloomer and has a fine stem. Large blooms unusually broad and deep with artistic petal formations. Winner of many medals and ribbons all over the country. Price, each, Tubers, \$2.00; Plants, \$1.00.

Murphy's Masterpiece. (I. D.) A dark red shading toward garnet, it will withstand sun without fading. The plant is a strong grower and producer of large blooms. Tubers, \$1.00; Plants, 50c.

Premier's Winsome. (I. D.) White suffused with mallow pink. A Dahlia of merit, with all the good qualities a Dahlia should have. A massive bloomer. Price, each, Tubers, \$2.50; Plants, \$1.25.

Rita Wells. (I. D.) Color is buff and gold with tints of grenadine pink. Producing large blooms with great depth gives the blooms a massiveness which never failed to stop visitors. Good grower with long strong stems. Price, each, Tubers, \$2.50; Plants, \$1.25.



SULTAN OF HILLCREST (Formal Decorative)
Tubers, Each, 35c; 3 for 85c.

FORMAL DECORATIVE—Continued

Grand Master. A deep bronze shading to orange at the center. Long, strong stems and heavy foliage. Price, each, 75c; 3 for \$2.00.

Harry Mayer. Color is a silver-lavender with the reverse of the petals deep lavender. Sturdy growing habit. Price, each, 25c; 3 for 65c.

Haslerova. Color is a very pale lavender, almost white with reddish-purple streaks and pencilings, always in bloom. Price, each, 75c; 3 for \$2.00.

Jersey's Beauty. It is still in a class by itself. A perfect bloom of eosine pink, carried high on wiry stem. Price, each, 25c; 3 for 65c.

Kentucky Sun. A large clear yellow producing quantities of uniform flowers. A fine exhibition and commercial dahlia. Price, each, 50c; 3 for \$1.25.

King of the Blacks. Darkest rich velvet red, almost black. Compact, vigorous. Each, 35c; 3 for 85c.

Miss Oakland. Pure white. Perfect habit of growth, free flowering; unexcelled for cut flower or exhibition. Price, each, 75c; 3 for \$2.00.

Monmouth Champion. A brilliant orange flame. Extra large blooms carried on perfect stems. Price, each, 25c; 3 for 65c.

Monarch of the East. It is a big, bold bloom, a real giant in the Dahlia world. Its color is a golden bronze with a coral red reverse. Try it in the largest bloom class. Price, each, 50c; 3 for \$1.25.

Mrs. Ide Ver Warner. A refined mauve-pink beautifully formed. Large blooms carried on long, strong wiry stems. Price, 3 for 50c.

Omar Khayyam. A Chinese red at the base of petals, shading to a bright orange with paler tips, giving a soft effect. Price, each, 25c; 3 for 65c.

Purple Mist. Pure deep purple tending to a shade of burgundy. Long stiff stems. Strong grower with dark foliage. Price, each, 50c; 3 for \$1.25.

Queen City. Light cherry red cut flower variety outstanding in color and keeping well when cut. Price, each, 50c; 3 for \$1.25.

Rosalee. Clear rose pink. A healthy vigorous grower with strong stems and insect-resistant foliage. Price, each, 35c; 3 for 85c.

Rose Fallon. Color dark orange tinted with amber and salmon. Price, each, 25c; 3 for 65c.

Rose Glory. Pure deep rose-pink. Free and early bloomer. Strong grower with long straight stems. Medium height. Price, each, 35c; 3 for 85c.

Sultan of Hillcrest. Color, strontian yellow with sunrise yellow reverse. The bush habits and foliage are perfect. Price, each, 35c; 3 for 85c.

Thomas A. Edison. A royal purple with a brilliant rich finish. Price, each, 50c; 3 for \$1.25.

W. H. T. A rich old rose with mauve shading on reverse. Price, each, 25c; 3 for 65c.

White King. A pure white, large flowering. Free flowering on long stems. Price, each, 25c; 3 for 65c.

White Wonder. The giant blooms are pure white with long twisted and curled petals. Foliage thick, leather-like. Price, each, 35c; 3 for 85c.

Special Offer. (92C) One tuber each Fire Ball, Grand Master, Haslerova, Miss Oakland and Monarch of the East for \$2.50. Postpaid to 5th Zone.

Special Offer. (92D) One tuber each Buckeye King, Clara Carder, Purple Mist, Rosalee and Rose Glory for \$1.40. Postpaid to 5th Zone.

Special Offer. (92E) One tuber each Harry Mayer, Jersey's Beauty, Monmouth Champion, Mrs. Ide Ver Warner, W. H. T., and White King for \$1.10. Postpaid to 5th Zone.



JERSEY'S DAINTY. Semi-Cactus. Price, Tubers, Each, 35c; 3 for 85c.

DAHLIAS—Continued.

FORMAL DECORATIVE TUBERS ONLY

- Buckeye Glory.** Color clear lavender to deep lavender. The bushes are extremely vigorous, with heavy foliage and fine habit of growth. The stems are of good length. Each, 50c; 3 for \$1.25.
- California Idol.** A giant clear yellow that can win in any class in which it may be entered. It is a splendid grower. This Dahlia will be a popular variety for years. Price, each, 50c; 3 for \$1.25.
- City of Wellston.** Rhodamine purple. Flowers large on long stems. Price, each, 25c; 3 for 65c.
- Cherokee Rose.** Lavender rose. Plant is vigorous with long, erect stems and uniform full-centered flowers. Recommended as an exhibition or cut flower variety. Price, each, 50c; 3 for \$1.25.
- Golden Beauty.** A very large, well formed flower of apricot yellow splashed jasper pink. Price, each, Tubers, 75c; 3 for \$2.00.
- Hunt's Velvet Wonder.** Color is a rich violet purple. The huge blooms can be grown to immense size. A strong grower with striking foliage. A good exhibition variety. Each, 50c; 3 for \$1.25.

- Incandescent.** Color is rich rosy buff, suffused yellow and light old-rose. A profuse bloomer on long, strong stems which hold the giant flowers well above the foliage. Tubers, 75c; 3 for \$2.00.
- Jane Cowl.** A large flower of warm buff and old gold, blending to a bright salmon at the center. Price, each, 25c; 3 for 65c.
- Jersey's Beacon.** The color is Chinese-scarlet with a paler reverse, giving a two-toned effect. Price, each, 25c; 3 for 65c.
- Kentucky Red.** A brilliant scarlet—there is no color just like it. The bush is a strong grower. Price, each, 35c; 3 for 85c.
- Leland Stanford.** A free-blooming big red. The color is a striking cardinal, a true, glistening, brilliant red without shading. Best of all, it does not fade in the sun. Price, each, 75c; 3 for \$2.00.
- Margaret Woodrow Wilson.** Face of petals—creamy white, reverse Phlox-pink. Medium height bush. Price, 3 for 10c.

- Mrs. Geo. Le Boutillier.** A rich velvety carmine, giant in size and outstanding in all respects. A healthy, vigorous grower. Each, 35c; 3 for \$1.25.
- Mrs. Wm. S. Knudsen.** An exhibition white. A strong, healthy grower with fine foliage. Price, each, 75c; 3 for \$2.00.
- Milton J. Cross.** A clear sulphur yellow with shadings of burnt orange and coral shadings in the outer petals, giving a glowing appearance. Price, each, Tubers, 75c; 3 for \$2.00.
- Oakleigh Monarch.** A clear, brilliant cerise red. Very large blooms of great depth which keep well when cut. Strong, rugged grower. Price, each, 75c; 3 for \$2.00.
- Prince of Persia.** Rich glowing crimson. Great size and substance. Strong grower. Each, 35c; 3 for 85c.
- Zion's Pride.** Pure yellow. Resembling a Hugh yellow rose in formation. Price, each, 35c; 3 for 85c.
- Special Offer.** (93) One tuber each Buckeye Glory, California Idol, Cherokee Rose and Hunt's Velvet Wonder for \$1.45. Postpaid to 5th Zone.
- Special Offer.** (93A) One tuber each Jane Cowl, Margaret Woodrow Wilson, Mrs. Geo. Le Boutillier and Prince of Persia for 80c. Postpaid to 5th Zone.

SEMI-CACTUS TUBERS ONLY

- Bette Davis.** Bright, deep violet rose with slightly darker center. Flowers facing on long stems. Price, each, Tubers, 75c; 3 for \$2.00.
- Golden Standard.** The color is buff shaded to amber and gold. A fine variety of clean outstanding appearance. Price, each, 50c; 3 for \$1.25.
- Gretna.** Color is a bright hume orange. Medium size, early free bloomer. Each, 35c; 3 for 85c.
- Jean Trimbee.** Color of richest deep petunia violet, of immense size, borne well above the foliage on stiff rigid stems. Price, each, 35c; 3 for 85c.
- Jersey's Dainty.** A fine formed white of medium size with fine stems. A good exhibition and cut flower. Price, each, 35c; 3 for 85c.
- Josephine G.** A beautiful, true rose-pink flower with petals tipped yellow. Each, 25c; 3 for 65c.
- Kay Francis.** A light lemon yellow with good stems and perfect flowers. Free bloomer. Price, each, 50c; 3 for \$1.25.
- Red Jug.** Dark cardinal red in color sometimes with petals tipped gold. Blooms are of large size carried on long stiff stems. Price, each, 50c; 3 for \$1.25.
- Rudy Vallee.** Reddish apricot, gold center. It has size, beauty, keeping qualities and is very attractive. Growth vigorous. Price, each, 50c; 3 for \$1.25.
- Satan.** A flaming red with a slight touch of gold at the center. Strong grower with heavy foliage. Price, each, 35c; 3 for 85c.
- Star of Bethlehem.** Flowers are pure white with fine pointed petals with large tight center. Free bloomer and needs disbudding. Each, 35c; 3 for 85c.
- Special Offer.** (93B) One tuber each Jean Trimbee, Jersey's Dainty, Josephine G., Satan and Star of Bethlehem for \$1.20. Postpaid to 5th Zone.

STRAIGHT CACTUS TUBERS ONLY

- Countess of Lonsdale.** A delicate apricot shading towards the edges of the petals to carmine-pink. Early. Price, each, 35c; 3 for 85c.
- Bernice Geer.** Color, gorgeous old-rose. Fine stems, beautiful clear foliage, grows without encouragement. Price, each, Tubers, 75c; 3 for \$2.00.
- Dulcinea.** A pure spectrum red in a beautiful straight cactus. A profuse bloomer on long straight stems. Price, each, 75c; 3 for \$2.00.
- Miss Belgium.** Bright orange. Medium size blooms on long wiry stems. A profuse and early bloomer. Price, each, 35c; 3 for 85c.
- Special Offer.** (93C) One tuber each of the above four varieties for \$1.60. Postpaid to 5th Zone.

DWARF DAHLIAS FOR THE GARDEN

This race of Dahlias has remarkable value for garden planting and home decorations. The plants form compact bushes seldom more than two feet high. They begin flowering when only a foot high and flower continuously from early summer till frost.

POT PLANTS ONLY

- Easter Greeting.** (S. C.) This is the original variety of this type and may be grown in pots as a blooming plant or used as a cut flower. Price, 3 for 65c; doz., \$2.50.
- Gertrude.** (F. D.) The best clear primrose yellow in this class. A good variety with uniform blooms. Price, 3 for 65c; doz., \$2.50.
- Kate.** (F. D.) A bright cardinal red, very showy in bed planting. Blooms are attractive, uniform and good for cutting. Price, 3 for 65c; doz., \$2.50.

MINIATURE DAHLIA TUBERS ONLY

- These small type Dahlias have become popular owing to their usefulness. Can be planted in garden, border or beds fairly close, about 20 to 24 inches apart. Their freedom of bloom and keeping a long time when cut make them ideal for arrangements.
- Audries Orange.** (S. C.) A bright orange. One of the finest miniatures. Very neat in appearance and excellent for exhibition. Price, each, 50c; 3 for \$1.25.
 - Baby Royal.** (S. C.) One of the finest miniatures of salmon-pink shaded apricot. A good cut flower. Price, each, 25c; 3 for 65c.
 - Baby Sagamore.** (F. D.) A soft yellow suffused with light peach-red or jasper red deepening at center. Price, each, 50c; 3 for \$1.25.
 - Bishop of Llandoff.** (Duplex.) Brilliant rich red blooms, in contrast to the dark bronze-black foliage, make it outstanding. Each, 35c; 3 for 85c.
 - Buckeye Baby.** (F. D.) Gold buff. Early, long lasting and one of the most successful for exhibition and cutting. Price, each, 35c; 3 for 85c.
 - Fairy.** (F. D.) Described as a miniature Jersey-Beauty, but lighter in color. A violet-rose shading mauve at tips. Price, each, 25c; 3 for 65c.

MINIATURE—Continued.

- Henrietta.** (M. P.) A white with yellow center. The petals are margined with bright orange. Price, each, 50c; 3 for \$1.25.
- Little Dream.** (S. C.) Color pink with uniform blooms with full centers. Medium sized plants with good stems. Price, each, 50c; 3 for \$1.25.
- McKay's Purity.** (F. D.) Pure white with uniform blooms carried on long stiff stems. Strong growing plant. Price, each, 75c; 3 for \$2.00.
- Nesthakchon.** (S. C.) Color buff suffused soft lilac. An artistic miniature when pastel shades are desired. Price, each, 35c; 3 for 85c.
- Orchid Lady.** (F. D.) Orchid pink. Strong grower with good stems. Price, each, 25c; 3 for 65c.
- Rose Beauty.** (F. D.) Color is a soft peach with coral suffusion with perfect blooms full to the center. Good grower with fine stems. Price, each, 35c; 3 for 85c.
- Sanhican's Sweetheart.** (S. C.) Color ochreous buff suffused rose-red. Low growing bushes always covered with blooms. Price, each, 35c; 3 for 85c.
- Snowsprite.** (S. C.) Glistening snow white in color with perfect stems and artistic form. Good, dependable variety. Price, each, 75c; 3 for \$2.00.
- Sylvia.** (F. D.) A beautiful garnet red with fine stem. A good grower. Price, each, 35c; 3 for 85c.
- Special Offer.** (93D) One tuber each Audries Orange, Baby Sagamore, Henrietta, Little Dream, McKay's Purity and Snowsprite for \$2.50. Postpaid to 5th Zone.
- Special Offer.** (93E) One tuber each Baby Royal, Buckeye Baby, Fairy, Nesthakchon, Rose Beauty and Sylvia for \$1.35. Postpaid to 5th Zone.

POMPON DAHLIAS

Under this head come those small Bouquet Dahlias that are so popular for cut flowers. Price except where noted, each variety, 3 for 50c; 6 for 90c. Tubers only.

- Bacchus.** Clear, bright red, rounded and full.
- Bonny.** A fine pink. Price, each, 35c; 3 for 85c.
- Bo-Peep.** Rose mauve, perfect blooms with fine stem. Price, each, 35c; 3 for 85c.
- Bronze Beauty.** Gold apricot. Fine cut flower variety.
- Catherine.** Bright yellow. Good form and stem.
- Darkness.** Purple-garnet, nearly black. Price, each, 35c; 3 for 85c.
- Edith Mueller.** Beautiful rose-red blended with rich yellow.
- Guiding Star.** Pure white. Price, each, 35c; 3 for 85c.
- Libbie Rohr.** Royal purple. Price, each, 50c; 3 for \$1.25.
- Little Herman.** Deep red, tipped white; very free.
- Mary Munns.** Fuchsia with dark orchid sheen.
- Morning Mist.** A pale lavender. Very free bloomer with fine long stems. Price, each, 50c; 3 for \$1.25.
- Rosa Wilmoth.** Small, fine formed rose-pink.
- Royal Purple.** Rich royal purple. Price, each, 35c; 3 for 85c.
- Sherry.** A fine deep purple. A perfect exhibition form and size. A profuse bloomer. Price, each, 50c; 3 for \$1.25.
- Snowclad.** The best pure white pompon.
- Taka's Purple.** Small, fine formed, cerise purple.
- Yellow Gem.** Clear light yellow with good stems.
- Special Offer.** (93F) One tuber each Darkness, Libbie Rohr, Morning Mist and Sherry for \$1.35. Postpaid to 5th Zone.
- Special Offer.** (93G) One tuber each Bacchus, Bronze Beauty, Catherine, Edith Mueller, Little Herman, Mary Munns, Rosa Wilmoth and Snowclad for \$1.15. Postpaid to 5th Zone.

SHOW OR BALL SHAPED

- Price except where noted, each variety, 3 for 55c; 6 for 90c. Tubers only.
- A. D. Livoni.** A beautiful soft pink flower with quilled petals.
 - Bonnie Blue.** Lavender blue. A popular variety of its type and color. A good outflower and good keeper when cut.
 - Charlotte Caldwell.** Color a bright apricot suffused coral. Bush and foliage healthy and rugged. Price, each, 35c; 3 for 85c.
 - Mary Helen.** A primrose colored ball. One of the best ball type.
 - Mrs. C. D. Anderson.** Rich, clear purple.
 - Prof. Mansfield.** Large gold white and orange shadings. A striking variety.
 - Special Offer.** (93H) One tuber each of the above six varieties for \$1.00. Postpaid to 5th Zone.

Dahlia Tubers. To color. In white, pink, yellow, red, variegated and lavender. Price, each, 15c; doz., \$1.50, postpaid.

Mixed Dahlia Tubers. Price, doz., \$1.00, by express.

Vaughan's New Giant of Orchid Coloring



CARRIE JACOBS BOND



MARGUERITE

OUR 1942 INTRODUCTION CORINNE

AN orchid self, with the tallest spike and largest florets yet produced in this color—one of the rarest in the gladiolus family. The coloring is even throughout, except for a faint white stripe down the center of each petal.

The color known popularly as "orchid," because of its prevalence in the popular cattleya orchid clan, is a pale pinkish lavender, of which the leading representative among gladioli has until now been Minuet. Corinne originated as a seedling of Blue Danube, and was immediately marked in our trial grounds for observation. It has exceptionally large florets, well placed and facing properly, and six of its giant blossoms will open before the first one has faded. This gives a plume of lovely color, suitable for either garden or bouquets.

It is definitely earlier than Minuet which, in our opinion, it surpasses in size and beauty. Corinne has been under observation by Harry Owen, manager of our gladiolus farms, for five years, and he reports that it is in every way as fine in its fifth year, as it was in its first. It will be in good demand for years to come. Each, 50c; doz., \$5.00.



CORINNE

Best of the New Introductions

FRAGRANT GLADIOLUS

Carrie Jacobs Bond

A rose-red, with white veins on lower two petals; throat stippled white. Florets 4 inches across, borne on slender, wiry stem. It grows 3½ feet tall, blossoms in 65 days, is a vigorous grower and a good propagator. The fragrance suggests that of violets and is the strongest of any large flowered Gladiolus we have seen. The fragrance from a bouquet of this variety will delicately perfume a room.

Each, 75c; Doz., \$7.50

Annamae (Pommert). Ex. A very early snow-white, much better than Polar Ice. Flowers well placed and good size. Each, 15c; doz., \$1.25; 100, \$6.00.

Chamouny (Baerman). Ex. An outstanding decorative variety. Rich, light cerise rose with the faintest edging of light rose; perfectly placed florets on tall slender spike, eight or more open at same time. Each, 35c; doz., \$3.50.

Coral Glow (Ellis). Ex. A rather unusual shade of rich coral orange; will open six or more extra large blooms of perfect placement and heavy substance; a particularly strong growing variety. Each, 25c; doz., \$2.50.

Glen Lake (Vaughan). Ex. In effect it is a lavender self paler than Minuet, with markings negligible and only in the deep throat. Stem is tall and strong, florets faced well and overlapping, six to eight open at once. It is earlier than Minuet, opens better, is a far better propagator. This is a fine, tall growing variety for the garden, but of exceptional value for cut flower arrangements, both for room decoration and for the costume. Each, 20c; doz., \$2.00.

Helen of Troy (Salbach). (Patented) Ex. A truly magnificent flower; in color a lively peach-toned apricot with soft carmine throat markings; seven or more giant sized blooms on strong stiff spikes. A real 'champion.' Each, 50c; doz., \$5.00.

King of Hearts (Salbach 1939). (Picardy X Grand ★Opera.) Sold under protection of U. S. Patent No. 360. The individual florets consistently measure from 8 to 8½ inches in diameter. The flower stems are not thick, but are strong and wiry, adding to the grace of this fine new variety. The plants are tall, make a vigorous growth, with deep green foliage, and carry a flower spike 2½ feet long. The blooms are of heavy substance and are always perfectly placed. The spacing between the blooms could not be better. Six to 7 blooms open at one time with 10 to 11 unopened buds. According to Ridgway the color is light coral red with light carmine red line in throat. The whole color effect is more on the salmon, but distinctly on the coral red tones. Each, 50c; doz., \$5.00.

Michigan (Vaughan). Ex. Grows uniformly 4-5 ft. ★tall, with a strong spike which stands upright without staking, its magnificent flower plumes are composed of florets 5 inches across, overlapping and facing perfectly, with 10 to 13 open before the lowest floret fades. It is without superior in size and perfection of form. Outside of petals, a strong salmon-red; inside, an orange salmon; the whole effect being a vivid salmon-pink, many tones deeper than Picardy. Throat and small blotch on lower petal are lemon-yellow, blending with and softening the general effect. An exhibition variety of the first rank. Each, 25c; doz., \$2.50

Marguerite (Pommert). Ex. Makes a massive ★spike of deep watermelon pink, with cream throat. Tall spike with unusually long flower-head. Its exceptional lasting qualities make it a good cut flower. Each, 50c; doz., \$5.50.

Oregon State (Bones). Ex. Salmon-pink with ★cream throat. Remarkably good substance, standing in good condition two days longer than Picardy. Florets face one way, which makes it a good cut flower variety. Each, 20c; doz., \$2.00.

Vredenburg (Pfitzer). Ex. A very vigorous new ★white that should be of great value, particularly because it is very early, size of blooms, and placement of florets. Each, 20c; doz., \$2.00.

(★) This mark indicates the variety is of outstanding merit.

For Type Classification which is used at all Flower shows, we are marking each variety as follows: Ex.—Exhibition. Dec.—Decorative. S. D.—Small Decorative.

General List

PINK AND ROSE

Alfame (Hornberger). Ex. Giant begonia rose. Each, 6c; doz., 60c; 100, \$4.00.

Betty Nuthall (Salbach). Ex. One of the outstanding gladioli of recent introduction. Light coral with pale orange throat and light feathering of carmine. Ea., 5c; doz., 50c; 100, \$3.00.

Betty Weinstock (Vaughan). Dec. Fine beautiful pink. Prize winner at all shows. Each, 15c; doz., \$1.50; 100, \$3.00.

Bingo (Canine). Ex. Immense cream-buff, pink ★flecking and soft Picardy blotch in throat. Each, 20c; doz., \$2.00.

Cactus Rose (Kellogg). Ex. Rich velvety purple ★red, just like cactus blooms of the western deserts. Each, 6c; doz., 60c; 100, \$4.00.

Colossus (Mitsch). Ex. A very large Gladiolus. ★Color rich pink with small red feather on cream ground on lower petals. Each, 10c; doz., \$1.00; 100, \$7.00.

Conquest (Mitsch). Dec. Light salmon-pink, cream blotches, ruffled. Each, 15c; doz., \$1.50; 100, \$10.00.

Debonair (Palmer). Ex. La France pink to shrimp ★pink in throat with creamy throat mark, lightly peppered crimson. Each, 5c; doz., 50c; 100, \$3.00.

Early Dune (Vaughan). Ex. An early Betty Nuthall, 70 to 75 days. Salmon-orange shading to lighter in throat, with two small carmine spots on the throat petal. Tall straight spike, flower well placed, 10 to 12 open at one time. Each, 6c; doz., 60c; 100, \$4.00.

Edith Mason (Vaughan). Ex. Delicate geranium-★pink, exquisite. Each, 6c; doz., 60c; 100, \$4.00.

Edith Robson (Australia). Ex. Light salmon-rose with reddish blotch. Very tall, strong growing plant with immense spike of bloom. Each, 6c; doz., 60c; 100, \$4.00.

Heritage (Ristow). Ex. Very large warm pink, ★throat lighter, with white midribs on lower petals. Each, 10c; doz., \$1.00; 100, \$7.00.

Hillsdale (Vaughan). Ex. True Tyrian rose, shading darker toward outer edge of petals, lighter toward throat; back of petals delicately traced with minute white lines. Darker feather on two lower petals. Tall, strong spikes. Blooms in early mid-season. A valuable addition to a color class with few outstanding varieties. Each, 25c; doz., \$2.50.

GLADIOLI—PINK AND ROSE—Continued.

- Johannes Sebastian Bach** (Pfitzer). Ex. Salmon, shading, bit lighter in throat. Tall and strong. Well arranged flower-head, 10 to 12 open at once. Each, 8c; doz., 75c; 100, \$5.00.
- Ludington** (Vaughan). Dec. (Salmon-Pink.) A deep salmon-pink, clear and luminous, spread evenly over the petals. Pale in the throat with a small red blotch deep in throat of lower petal. 10 buds, 4 open. An ideal plume. 3 ft. high. Each, 10c; doz., \$1.00; 100, \$7.00.
- Lustre** (Kunderd). Ex. A tall large flowered variety of brilliant orange-vermilion. Each, 5c; doz., 50c; 100, \$3.00.
- Miss J. Nathan** (Whiteley). Dec. Rose-pink, cream throat spotted crimson. Very large spike. Each, 20c; doz., \$2.00.
- Margaret Fulton** Dec. Early salmon-pink. Each, 5c; doz., 50c; 100, \$3.00.
- Mildred Louise** (Wentworth). Ex. Prevailing color is a pure salmon (strawberry) pink, self on upper petals with lower petals tipped strawberry-pink, blending to pinard-yellow in the throat. Each, 6c; doz., 60c; 100, \$4.00.
- Miss Alameda** (Salbach). Dec. Large deep salmon pink with carmine blotch. Tall spike. Each, 8c; doz., 75c; 100, \$5.00.
- Miss New Zealand** (Julyan). Ex. Salmon-apricot, suffused rose with blotch of ripe peach. Giant of the Gladiolus. Each, 15c; doz., \$1.50; 100, \$10.00.
- Mrs. E. J. Heaton** (Heaton). Ex. Glowing strawberry pink blended with some cream in throat. Each, 6c; doz., 60c; 100, \$4.00.
- Mrs. P. W. Sisson** (Coleman). Dec. Immense, ruffled soft pink. Each, 5c; doz., 50c; 100, \$3.00.
- New Era** (Ellis). Ex. Beautifully ruffled rich pink, cream throat. Tall spike, many florets open at one time. Each, 15c; doz., \$1.50; 100, \$10.00.
- Peach Rose** (Kunderd). Dec. Fine rose pink with deep blotch. Each, 6c; doz., 60c; 100, \$4.00.
- Peggy Lou** (Wilson-Evans). Ex. Smooth, deep shrimp pink with a slight rosy cast and a slight peppering of deeper rose in the throat. Each, 15c; doz., \$1.50; 100, \$10.00.
- Phyllis McQuiston** (Stewart). Dec. A gorgeous star pink. Each, 6c; doz., 60c; 100, \$4.00.
- Picardy** (Palmer). Ex. A most sensational flower of delicate apricot-pink. The individual florets are all extremely large, slightly ruffled and of heavy wax-like substance. Each, 5c; doz., 50c; 100, \$3.00.
- Pink Medallion** (Vaughan). Dec. Early pink Prim. A true pure pink, lower petals have a canary blotch with a feather of the same color as the flower. It is exceptionally early, forces well, and is a rapid propagator. Each, 5c; doz., 50c; 100, \$3.00.
- Queen Helen II** (Salbach). Ex. Grenadine pink with prominent pinard-yellow blotch and carmine feathering deep in throat. Each, 6c; doz., 60c; 100, \$4.00.
- Rima** (Mitsch). Dec. Lilac-pink with cream throat. Seven large, well-placed florets open on tall spike. An unusual and beautiful color. Each, 15c; doz., \$1.50; 100, \$10.00.
- Rosemarie Pfitzer**. Ex. Very light pink with faint flecks of creamy hue. Slightly ruffled. Round, "inverted" type florets. Each, 8c; doz., 75c; 100, \$5.00.
- Rapture** (Palmer). Dec. Tall late salmon with creamy throat. Each, 8c; doz., 75c; 100, \$5.00.
- Smiling Maestro** (Christ). Ex. Deep salmon-rose, flaked brown. Large exhibition type. Each, 8c; doz., 75c; 100, \$5.00.
- Sonatine** (Pfitzer). Dec. Tall light pink, flaked darker. Large blooms on stiff stems. Each, 8c; doz., 75c; 100, \$5.00.
- Takina** (Burns). Ex. Australian variety, very large flowers. Mauve to American Beauty color. Each, 15c; Doz., \$1.50; 100, \$10.00.
- Sweet Rose** (Kunderd). Dec. Deep rose pink, deeper in throat. Each, 6c; doz., 60c; 100, \$4.00.
- Trudel Grotz** (Pfitzer). Ex. Salmon-pink with red blotch. Each, 8c; doz., 75c; 100, \$5.00.
- Winged Victory** (Briggs). Ex. Very large pink. Each, 10c; doz., \$1.00; 100, \$7.00.
- W. H. Phipps** (Diener). Ex. Enormous flowers of La France pink, overlaid with salmon-rose, lighter towards the center. Each, 5c; doz., 50c; 100, \$3.00.

PINK AND ROSE MIXED

Made up by ourselves from varieties listed and others. Doz., 50c; 100, \$3.00.

RED

- Communist** (Vaughan). Ex. Flaming red, lighter than Commander Koehl, more vivid than Dr. Bennett, with a better spike than either. The color is even except for deep crimson in the throat. Flowers in 100 days. Each, 35c; doz., \$3.50.
- Beacon** (Palmer). Ex. Salmon-scarlet with creamy throat. Tall spike, eight florets open at once. Each, 10c; doz., \$1.00; 100, \$7.00.
- Bill Sowden** (Fallu). Dec. Immense, massive ruffled, deep blood-red, usually flaked darker. Each, 8c; doz., 75c; 100, \$5.00.



MICHIGAN. Each, 25c.

Lake Geneva Collection
GLADIOLUS

Ten each of the following ten representative varieties of Gladiolus (100 first size Bulbs) will be sent postpaid, for . . . **\$375**

- 10 Minuet, Large Lavender
- 10 Chas. Dickens, Purple Violet
- 10 Dr. Bennett, Scalet
- 10 Mother Machree, Smoky Lavender
- 10 Mary Shary, Clear soft primrose-yellow
- 10 Picardy, Apricot Pink
- 10 Maid of Orleans, Milky White
- 10 Red Lory, Red with Purplish Blotch
- 10 Pelegrina, Violet Blue
- 10 Wasaga, Clear Apricot

RED—Continued.

- Commander Koehl** (Pfitzer). Ex. An outstanding variety in form and color. Gigantic flowers of dark scarlet, well formed, no blotches. Each, 6c; doz., 60c; 100, \$4.00.
- Diana** (Zeestraten). Dec. Clear, rich blood-red, well placed and beautifully formed. Each, 6c; doz., 60c; 100, \$4.00.
- Dr. F. E. Bennett** (Diener). Ex. Scarlet throat star stippled with ruby and white. Big, vigorous, a ribbon winner. Each, 6c; doz., 60c; 100, \$4.00.
- Maoriland** (Whiteley). Ex. Large well shaped flowers. Color, Red heavily overlaid and flaked crimson. Each, 10c; doz., \$1.00; 100, \$7.00.
- Mrs. Francis L. Karcher** (Vaughan). Dec. Light salmon blending to an orange on outer edge of petals, throat petals striped with crimson. Reflex orange-crimson. Tall, straight spike, flowers well placed, 6 to 8 blooms; open, free bloomer, early. Each, 6c; doz., 60c; 100, \$4.00.
- Pfitzer's Triumph** (Pfitzer). Ex. Salmon-red with darker blotch. Very large flower. Each, 6c; doz., 60c; 100, \$4.00.
- Red Lory** (Errey). Ex. Red with purplish blotch. *Fine for exhibitions. Each, 6c; doz., 60c; 100, \$4.00.
- Red Phipps** (Briggs). Ex. Really a pink overlaid scarlet. Each, 6c; doz., 60c; 100, \$4.00.
- Rewi Fallu** (Fallu). Ex. Early deep blood-red. Very large blooms on a tall straight spike. Each, 10c; doz., \$1.00; 100, \$7.00.
- Scarlet Bedder** (Salbach). Dec. Fine early scarlet. Each, 6c; doz., 60c; 100, \$4.00.
- Southern Cross** (New Zealand). Ex. Large, deep red. Very good color. Each, 8c; doz., 75c; 100, \$5.00.
- Valeria** (Pruitt). Ex. A very soft red with a narrow mark of light cream in the throat. Stands up well. Five to seven large ruffled flowers open at a time. Each, 15c; doz., \$1.50; per 100, \$10.00.

RED—Continued.

- Van Tienhoven** Ex. Beautiful bright poppy red. Long straight spikes with many flowers open at one time. Each, 10c; doz., \$1.00; 100, \$7.00.
- Wurtembergia** (Pfitzer). Ex. Large scarlet with broad soft cream blotch. Each, 6c; doz., 60c; 100, \$4.00.

RED MIXED

Made up by ourselves from varieties listed and others. Doz., 50c; 100, \$3.00.

LAVENDER

- Dr. Moody** (Kenyon). Ex. Light lavender. Each, 6c; doz., 60c; 100, \$4.00.
- King Arthur** (Arenius). Ex. Grand deep rose-lavender, florets large and fluted. Each, 8c; doz., 75c; 100, \$5.00.
- Lavender Delight** (Arenius). Ex. Deeper and more brilliant than Minuet and making the longest flower-head and spike of the various lavenders offered. Each, 6c; doz., 60c; 100, \$5.00.
- Milford** (New Zealand). Ex. One of the best. Clear azure-blue, slightly darker at edges of petals. Very large, nine open. Spike and placement good. Each, 6c; doz., 60c; 100, \$4.00.
- Minuet** (Coleman). Ex. Large light lavender. We recommend it. Each, 6c; doz., 60c; 100, \$4.00.
- Salbach's Orchid**. Ex. Very fine lavender. Each, 6c; doz., 60c; 100, \$4.00.

LAVENDER MIXED

Made up by ourselves from varieties listed and others. Doz., 60c; 100, \$4.00.

SMOKY

- Au-Gres** (Vaughan). Ex. Early 75 to 80 days. Color, ashes of roses with a conspicuous white throat; very attractive combination. Medium height and flowers well placed. Each, 6c; doz., 60c; 100, \$4.00.
- Bagdad** (Palmer). Ex. Very large smoky old-rose. *Each, 6c; doz., 60c; 100, \$4.00.
- Marmora** (Errey). Ex. Lavender-grey, dark blotch. *Each, 6c; doz., 60c; 100, \$4.00.
- Mother Machree** (Stevens). Ex. Soft smoky lavender. Large flower and plant with beautiful coloring of lavender and orange, subdued with neutral grey. Each, 8c; doz., 75c; 100, \$5.00.
- Romance** (Kunderd). Dec. The color of this flower is difficult to describe, a very beautiful blend of orange, salmon and rose, with a throat of red and yellow. Each, 6c; doz., 60c; 100, \$4.00.
- Vagabond Prince** (Palmer). Ex. Iridescent, garnet brown, lighter in upper throat, small flame, scarlet blotch below. The color combination is very attractive. Each, 10c; doz., \$1.00; 100, \$7.00.
- Tawny** (Vaughan). Dec. Very tall spike (50 inches). 7 large flowers open, 10 buds, flowers well placed. Color, deep rose-apricot faintly laid with pale rose-violet at the edges. Remarkably silky texture. Very large flowers well placed, stamens and pistils white. Each, 6c; doz., 60c; 100, \$4.00.

SMOKY MIXED

Made up by ourselves from varieties listed and others. Doz., 60c; 100, \$4.00.

THRIPS TREATMENT

Vaughan's bulb farms in Michigan and the mountains of Tennessee are free from thrips. This insect pest is prevalent in many sections, however, and your planting may become infested from some neighboring focus. If thrips are known to be near you, prevention is advisable. Rotenone sprays and dusts are effective. (See page 106.)

The U. S. department of agriculture recommends, after plants have reached 6 inches in height, weekly spraying with the following formula: ¼ lb. Tartar emetic, 1 lb. brown sugar, 6 gallons of water.

We will ship Tartar Emetic postpaid for ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.00.

Vaughan's "Standard" Mixture \$1.00 50 Bulbs

We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one will be found satisfactory everywhere, for mixed beds, borders and masses. These are first-size bulbs. Where wanted by mail add for postage at zone rates, 100 bulbs packed, 61bs.

Price, doz., 35c, postpaid; by express, not prepaid, 50 for \$1.00; 100 for \$1.75; 250 for \$4.00; 500 for \$7.50; per 1,000, \$14.00.

Primulinus Hybrids Mixed \$2.50 100 Bulbs

The range of colors is from the purest and lightest of yellows to deepest orange and from the softest shade of salmon-pink to rich crimson. On account of their slender and graceful habit, delicate colors and shape of the flowers, they are ideal for vases. Doz., 50c; 100, \$2.50.

100 Bulbs of Picardy, Champion of \$2.00

PREPAID 600 MILES

These are flowering size bulbs (No. 3) which will produce exhibition flowers, but take longer to do it than larger bulbs. Picardy is without a rival for the most popular gladiolus. Its soft salmon coloring, huge overlapping florets, perfectly spaced to produce a gorgeous plume of color, have won it leadership in the exhibition room, in the garden, and in the cut flower market. No. 1 bulbs, 100 for \$3. No. 2 bulbs, 100 for \$2.50. By Express Collect.

YELLOW

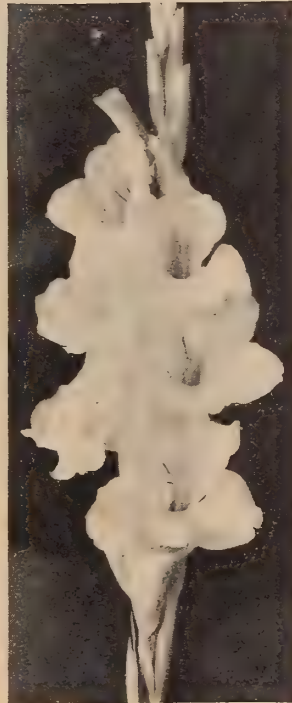
- Cadillac (Vaughan).** Ex. Tall spike, flowers well placed and of good form. Seven open at one time, 5 to 7 buds. Color, golden apricot fading to apricot-rose toward edge of petals, no throat markings, stamens and pistils creamy white. A very warm and pleasing shade. Each, 6c; doz., 60c; 100, \$4.00.
- Golden Chimes (Ellis).** Ex. Highly ruffled light yellow. Each, 8c; doz., 75c; 100, \$5.00.
- Golden Dream (Groff).** Dec. Clear deep yellow. Each, 5c; doz., 50c; 100, \$3.00.
- Golden Goddess (Salbach).** Ex. The first patented Gladiolus. Ten to sixteen florets open at once, deep rich golden yellow. Introduced only last season, but we have arranged with the patentee for the right to sell this outstanding new Gladiolus. Each, 10c; doz., 75c; 100, \$5.00.
- Golden Lancer (Heberline).** Dec. Pinard-yellow with short delicate lines of rose-red in throat. Each, 6c; doz., 60c; 100, \$4.00.
- Improved Schwaben (Vaughan).** Dec. A Schwaben seedling retaining the luxuriant growth of its parent, but of a deeper yellow color, with very little throat markings. Each, 6c; doz., 60c; 100, \$4.00.
- Mary Shary (Vaughan).** Dec. Clear soft primrose-yellow with a deeper yellow in throat, faint marking in throat. Spike tall, straight and strong. Flowers well placed, 6 to 8 open. By artificial light remains a beautiful yellow for evening decorations. Each, 8c; doz., 75c; 100, \$5.00.
- Miss Bloomington (Kunderd).** Dec. Tall, light yellow; flowers well placed. Each, 6c; doz., 60c; 100, \$4.00.
- Mrs. M. G. Wade (Whiteley).** Dec. Clear yellow, large spike. Each, 10c; doz., \$1.00; 100, \$7.00.
- Royal Oak (Vaughan).** Ex. Primrose yellow, lightly suffused with pink, the lower petals showing a single fine line of red in the center. 5-7 well placed flowers open at a time. The spike carries 16 to 20 buds. Exceptionally early, blooms in 60 days. Strictly a commercial variety. Each, 8c; doz., 75c; 100, \$5.00.
- Yellow Emperor (Ellis).** Ex. Clear light yellow. Each, 6c; doz., 60c; 100, \$4.00.
- Yellowstone (Vaughan).** Dec. Early, tall, clear yellow primulinus similar to Souvenir, but deeper yellow and better grower. A perfect self-color, beautifully formed. Each, 6c; doz., 60c; 100, \$4.00.

YELLOW MIXED

Made up by ourselves from varieties listed and others. Doz., 50c; 100, \$3.00.

BLUE AND PURPLE

- Anna Eberius (Diener).** Ex. Dark, velvety maroon-purple. Each, 8c; doz., 75c; 100, \$5.00.
- Ave Maria (Pfitzer).** Dec. Extremely good blue-purple. Strong grower, flowers well arranged. Each, 8c; doz., 75c; 100, \$5.00.
- Blue Danube (Pfitzer).** Dec. Pure amethyst blue with real blue blotch. Each, 8c; doz., 75c; 100, \$5.00.
- Blue Royale (Vaughan).** Dec. True violet-blue. Very prolific and much larger, taller and stronger grower than any other blue we or any one else have ever introduced. In season it is later than Rosa Raisa or Mrs. T. J. Knudson. An outstanding advance in this new color. Each, 15c; doz., \$1.50; 100, \$10.00.
- Canyon Violet (Vaughan).** Dec. Another of the famous Vaughan violet and blue shade varieties. Deep violet-blue with a darker and larger bloom than our Rosa Raisa or Blue Royale. Very tall and a strong grower. Each, 10c; doz., \$1.00; 100, \$7.00.
- Chas. Dickens (Pfitzer).** Dec. Purple-violet. Each, 6c; doz., 60c; 100, \$4.00.
- Hopi (Vaughan).** Dec. A shapely flower of medium size, with florets of velvety substance exceptionally well placed, five to six open at once. In color a bright maroon, with slightly darker harmonizing blotch in the throat. Each, 6c; doz., 60c; 100, \$4.00.
- Kalamazoo (Vaughan).** Ex. Large, compact flowers of beautiful violet-purple, with a creamy white throat. Each, 6c; doz., 60c; 100, \$4.00.



GLEN LAKE. Each, 20c.

BLUE AND PURPLE—Continued.

Mrs. T. J. Knudson (Vaughan). Dec. This is one of the Vaughan blues much admired at all shows and in a class with Rosa Raisa. Clear light violet, shading deeper towards the outer edge of petals. The throat has a deep violet plume, tipped or capped by a characteristic bright creamy spire, giving it a very striking effect. Florets are medium in size, with many, well placed, open at one time. This is an outstanding introduction in a color-class where good varieties are scarce. Midseason, strong grower of good height. Each, 10c; doz., \$1.00; 100, \$7.00.

Pelegina (Pfitzer). Dec. Deep blue. Each, 8c; doz., 75c; 100, \$5.00.

BLUE AND PURPLE MIXED

Made up by ourselves from varieties listed and others. Doz., 60c; 100, \$4.00.

ORANGE

- Dearborn (Vaughan).** Dec. Immense florets of deep flesh color, light coral reflex, lip amber yellow, blending to flesh, marked with a feathering of deep crimson. Tall, straight spike with twenty or more florets, four to six open at a time, measuring five to six in. in diameter. A giant gladiolus that blooms early. Each, 6c; doz., 60c; 100, \$4.00.
- Duna (Palmer).** Ex. Clear, soft, light pinky buff, bit yellow at base. Back of petals a shade darker, 5-6 open on medium tall spike. High in color values and we like it better than Wasaga. Each, 6c; doz., 60c; 100, \$4.00.
- Grand Slam (Salbach).** Ex. Large highly ruffled light orange. Each, 8c; doz., 75c; 100, \$5.00.
- Hercules (Crow).** Ex. Clear buff. Tall spike. Blooms large, of good texture. Each, 20c; doz., \$2.00.
- Lucifer (Errey).** Ex. Bright orange with crimson blotch. Good color and a showy spike. Each, 8c; doz., 75c; 100, \$5.00.
- Mrs. S. A. Errey (Errey).** Ex. Brilliant orange with orange crimson shadings in the throat. Tall strong spike with large blooms. Each, 8c; doz., 75c; 100, \$5.00.
- Orange Queen (Pfitzer).** Dec. A large flowered primulinus of wonderful glowing orange, with red stripes on lower petals. Each, 5c; doz., 50c; 100, \$3.00.

ORANGE—Continued.

- Palm Springs (Vaughan).** Ex. A clear soft luminous orange-buff self color, marked only by lighter toning in the throat. Each, 8c; doz., 75c; 100, \$5.00.
- Paradise (Pruitt).** Dec. Large apricot-buff shading to yellow in throat. Each, 8c; doz., 75c; 100, \$5.00.
- Roman Gold (Canine).** Dec. Graceful pure orange with lighter throat blending. Each, 25c; doz., \$2.50.
- Senorita (Salbach).** Dec. Very clear wide-open orange shading salmon. Each, 6c; doz., 60c; 100, \$4.00.
- Wasaga (Palmer).** Dec. Clear apricot, buff throat. Large flowers and beautiful for basket work. Trifle darker than Duna. Each, 6c; doz., 60c; 100, \$4.00.

ORANGE MIXED

Made up by ourselves from varieties listed and others. Doz., 60c; 100, \$4.00.

WHITE

- Albatross (Pfitzer).** Ex. Pure white. Each, 6c; doz., 60c; 100, \$4.00.
- Bob White (Zimmer).** Ex. Large pure white. Each, 8c; doz., 75c; 100, \$5.00.
- Maid of Orleans (Pfitzer).** Ex. Milky white, cream throat. Each, 6c; doz., 60c; 100, \$4.00.
- Mammoth White (Pfitzer).** Ex. One of the largest white varieties in existence. Flowers are pure, glistening white. A perfect exhibition flower. Each, 5c; doz., 50c; 100, \$3.00.
- Margaret Beaton (Twomey).** Ex. New immense white with orange-scarlet blotch. Each, 30c; doz., \$3.00.
- Myrna (Pruitt).** Ex. An excellent white, sister to Shirley Temple, ruffled and strong grower. Each, 40c; doz., \$4.00.
- Queen Louise (Pfitzer).** Ex. Pure white with light greenish throat. Flowers large and carried on strong stems. Each, 6c; doz., 60c; 100, \$4.00.
- Seafoam (Vaughan).** S.D. White Primulinus. Good spike, flowers well open, medium size, stamens white color, pure white with greenish reflex, four flowers open, 7 to 9 buds. A wonderful producer. Each, 5c; doz., 50c; 100, \$3.00.
- Shirley Temple (Pruitt).** Ex. Color rich cream, almost white, with richer cream throat mark. Six to eight very large, most beautifully ruffled flowers open at one time. A maximum spike is equal in size to Picardy or Miss New Zealand. Despite its enormous size it carries not the least bit of coarseness. As a cut flower it will stand up with the best of them, the last bud on the spike blooming out perfectly. Makes beautiful foliage and large, high crown bulbs. Makes ample bulbets that grow readily, without pregermination. It blooms somewhat later than Picardy. Each, 8c; doz., 75c; 100, \$5.00.
- Star of Bethlehem (Pfitzer).** Ex. Enormous snow-white. Good exhibition variety. Each, 8c; doz., 75c; 100, \$5.00.
- Vaughan's White (Vaughan).** Ex. Many large, well-expanded flowers of satiny white are open at one time. It is larger flowered and more vigorous in growth than Europa, and as prolific as America. Without doubt it is the best white yet introduced. Each, 8c; doz., 75c; 100, \$5.00.
- White Triumphant (Pfitzer).** Dec. Pure white, good for cutting. Each, 6c; doz., 60c; 100, \$4.00.

WHITE MIXED

Made up by ourselves from varieties listed and others. Doz., 60c; 100, \$4.00.

STANDARD VARIETIES for the Cutting Garden

- | | |
|---|-------------------------------|
| Albania. White | Mrs. L. Douglas. Begonia rose |
| Berty Snow. Lavender | Mrs. P. W. Sisson. Soft pink |
| Break O' Day. Pink | Odin. Salmon-pink |
| Chicago White | Peace. White |
| E. Kirtland. Pink | Virginia. Red |
| Giant Nymph. Pink | Souvenir. Yellow |
| Gold Eagle. Yellow | Wilbrink. Pink |
| Los Angeles. Pink | |
| Mrs. F. King. Scarlet | |
| Any of the above, doz., 50c; per 100, \$3.00. | |

Prices for single bulbs and by the doz., as above, include free parcel post delivery through 5th zone. For prepayment to further zones, add 5c doz.

**WE DO NOT Recommend Planting Lilies
After April 20th.**



LILIUM SUPERBUM



LILIUM REGALE



LILIUM CANADENSE



LILIUM UMBELLATUM

Hardy Lilies for Spring Planting

HARDY lily bulbs, of 1941 crop, carried over the winter in cold storage, may be planted in the spring, and will blossom in mid-summer, when the garden needs their glory.

Lilies are truly among the most beautiful of all bulbous plants. They are especially suitable for planting in herbaceous borders, and enjoy a position where they are protected by the shade of surrounding plants. Light, well-drained soil is recommended. Bulbs should be planted 5 to 6 inches below the surface, and to prevent the accumulation of excessive moisture, surround the bulb with coarse sand and fill in with a mixture of fibrous loam and leaf-mold.

Many varieties are termed "stem-rooters"—that is, they develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top dressing of good rich soil on which they can feed freely.

For the smaller varieties, plant in clumps, the bulbs about 6 inches apart, leaving more space for the strong and larger species. The most striking mode of planting is in groups of 3 to 9 bulbs in a mass.

Lilium Canadense (Meadow Lily)

The whole plant has a downward, graceful movement and looks like a slender, tiered green belfry ringing golden bells. The flowers are nodding, bell-shaped, with petals flaring out and turning back slightly. They are heavily dotted on the inside with purplish brown dots. Blooms the end of June to July. Should be planted five inches deep. It is an excellent lily for naturalizing. Height, 3 to 5 ft.

Canadense Mixed—Each, 20c; dozen, \$1.75; 100, \$12.00.

Lilium Pardalinum

(Leopard or Panther Lily)—A late June flowering lily of rich scarlet and yellow, spotted rich brown from the Sierra Nevada Mountains of California. Ten to thirty flowers on a 5-6 foot stem. Each, 30c; doz., \$3.00; 100, \$20.00.

Lilium Phillipinense Formosanum

A refined and graceful Lily with long grassy foliage, and long wide-mouthed trumpet flowers of the purest white, slightly marked externally with reddish brown. The plants grow to a height of 2-3 feet, are very robust and offer great resistance to wind and weather. It is hardy, very fragrant and one of the loveliest of the new varieties. Each, 35c; doz., \$3.50; 100, \$25.00.

Lilium Regale

The large, trumpet-shaped flowers are snowy white, with a pure yellow center, while the exterior of the petals is slightly tinged pink. It is a strong grower, attaining the height of three or four feet. The flowers are beautiful, possessing a delightful fragrance. The bulb, which should be given good, sharp drainage (as should all lilies), is perfectly hardy, usually presenting a dried, shriveled appearance. Each, 40c; doz., \$4.00.

Lilium Superbum

(American Turk's Cap, Swamp Lily)—The most magnificent and showy of the native North American species, well worthy of extensive culture. This splendid lily produces from ten to forty flowers of brilliant orange-scarlet, shaded yellow and spotted purplish brown at the base, with red anthers, in late July and August. This lily requires an acid condition and should be planted at least 8 inches deep. Height, 3-8 feet. Each, 20c; dozen, \$2.00; 100, \$15.00.

MOSAIC-FREE LILY BULBS

For those who have had trouble with mosaic disease, we are glad to offer, for the first time, a limited quantity of American-grown bulbs, free from mosaic. They should be planted in soil in which lilies have never been grown and at some distance from other lily plantings.

No orders can be accepted
after April 1st

Centifolium. A giant among lilies, with long, trumpet-shaped white flowers, streaked outside with brown and flushed inside with yellow at the base of the trumpet.

5 inch Each, 80c; doz., \$8.00.



LILIUM CENTIFOLIUM

Creelman Seedlings. Beautiful trumpet lilies grown from the seed of the famous George C. Creelman Hybrid. Flowers resemble Lilium Regale of truest type, with bronzy tones more pronounced and a more intensely yellow throat. Two weeks later than Regale, growing 6 feet tall in good environment, as many as 35 flowers on a stalk. One of the hardiest. 5 inch Each, 75c; doz., \$7.50.

L. Regale Hybrid. Of unknown origin, found growing in a bed of Lilium Regale. Over six feet in height with tall pyramidal flower stalk. Flowers just after Regale and just ahead of Sulphur-gale. 5 inch Each, 70c; doz., \$7.00.

Shelburne Hybrid. This lily is the result of a cross between L. Regale and the beautiful L. Sargentiae. A tall grower with very large trumpet. 5 inch Each, 70c; doz., \$7.00.

Sulphur-gale Hybrids. These beautiful lilies were obtained by crossing L. Sulphureum with L. Regale. Larger and taller than Regale and flowering two weeks later. 5 inch Each, 70c; doz., \$7.00.

Sunset Lily

Because of its ease of culture, rapidity of increase and its extreme hardiness, the new Sunset Lily is certain to achieve widespread favor. Height 5-6 ft. with 10 or more flowers to the stalk. This lily is bright red in color, the central portion being a bright yellow with dark spots. Stems are straight and strong with no tendency to droop. Not particular as to soil, it will thrive in full sun or partial shade, and while it appreciates good drainage, a liberal amount of water during the growing season pays good dividends in larger blossoms and greater height. July flowering.

Each, 30c; doz., \$3.00; 100, \$20.00.

Lilium Tenuifolium

The lovely Coral Lily of Siberia. A great beauty. The brightest of all lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. One ought to grow them by the dozen, they are so fine for cutting and making clumps for the lawn. Blooms very early. Each, 20c; dozen, \$2.00; 100, \$15.00.

Lilium Umbellatum

(Subspecies of Davuricum)

This group of lilies is of hybrid origin, and thrives in American garden borders, multiplying and enduring. They are early flowering, blooming during the first part of June. Usually attaining the height of two to three feet, they carry four to six flowers of cup-shape.

Mixed. Each, 30c; doz., \$3.00; 100, \$22.00.

Amaryllis



AMARYLLIS

Largest of flowers which are easily forced indoors, our new hybrids are gorgeous in size and coloring.

	Each	Doz.	100
2-2½ in. Dia.....	\$0.30	\$3.00	\$22.50
2½-3 in. Dia..	.45	4.50	30.00

APIOS Tuberosa

Splendid hardy climber. Color chocolate brown, fragrant. 2-4 bulbs should be planted together at a depth of 3-4 inches. Grows best in loose rich soil.

Price, each, 15c; doz., \$1.50; 25 for \$2.50, prepaid.

Begonias



DOUBLE BEGONIA

Tuberous Rooted—Unexcelled for summer bedding. When fully exposed to the sun the beds must be kept moist. All prepaid.

Medium Size. Each, 25c; doz., \$2.50; 100, \$18.00.

Large Size. Ea., 30c; doz., \$3.00; 100, \$22.50.

Camellia Flowered Double—Red, yellow, rose, white, orange.

Medium Size. Each, 35c; doz., \$3.50; 100, \$35.00.

Large Size. Each, 40c; doz., \$4.00; 100, \$30.00.

Carnation Flowered or Frilled—Same colors as above.

Medium Size. Each, 25c; doz., \$2.50; 100, \$18.00.

Large Size. Ea., 35c; doz., \$3.50; 100, \$25.00.

Fragrance—A fragrant Begonia. Single flowers of deep pink. The fragrance is distinctive and pleasing. Each, 35c; doz., \$3.50.

Pendula—Used in hanging baskets. Each, 25c; doz., \$2.50; 25 for \$4.50. Double blooming, many fine pinks.

Narcissus-Flowered in Mixture. Inner petals joined into a large semi-double or single corona with petals elegantly crimped at margin. Each, 30c; doz., \$3.00; 25 for \$5.50.

Summer

Flowering Bulbs

Golden Yellow CALLA LILY

Calla Elliottiana. Flower rich golden yellow; foliage dark green with creamy spots. Makes a good pot plant for indoor culture. Does well outside even in full shade. Besides flowering it will act as a foliage plant all summer.

Price, each, 25c; doz., \$2.50; 100, \$18.00.

CALLA LILY

(Richardia Maculata)

Spotted leaf, white flower. Can be planted out of doors after danger of frost is over. Take up in fall before freezing. Each, 25c; doz., \$2.50; 100, \$18.00.

CHLIDANTHUS Fragrans

Chlidanthus Fragrans (The Gold Flower). Produces clusters of from two to four golden yellow, trumpet-shaped flowers that are delicately fragrant. Handle in the same manner as gladioli.

Price, each, 15c; doz., \$1.50; 100, \$10.00, prepaid.

CINNAMON VINE

(Dioscorea Batatas)

Well-known hardy climber; quick grower. Large Roots, 3 for 40c; doz., \$1.50; 25 for \$2.50, prepaid.

CALADIUM Esculentum

Elephant's Ear—Good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants.

First Size—5 to 7-inch circumference. Mailing weight, 4 lbs. per doz.

Price, 3 for 25c, prepaid; doz., 90c; 25 for \$1.50; not prepaid.

Select Size—7 to 9-inch circumference. Mailing weight, 6 lbs. per doz.

Price, 3 for 40c, prepaid; doz., \$1.50; 25 for \$2.50, not prepaid.

Extra Large—9 to 11-inch circumference. Mailing weight, 10 lbs. per doz.

Price, 3 for 75c, prepaid; doz., \$2.50; 25 for \$4.50, not prepaid.

Gloxinias



GLOXINIAS

These showy plants are easily grown in pots and transplanted to a garden bed, preferably in a semi-shaded place.

Mixed Colors. Each, 40c; 3 for \$1.10, doz., \$4.00.

LILIUM CANDIDUM FOR JULY AND AUGUST SHIPMENT

The ideal time to plant this lily is in mid-summer.

18-20 Centimeters each, 25c; doz., \$2.50
20-22 Centimeters each, 35c; doz., 3.50
22-24 Centimeters each, 45c; doz., 4.50
24-26 Centimeters each, 55c; doz., 5.50

Hyacinthus Candicans

(Galtonias)

Summer Hyacinth—Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high.

Price, First Size, each, 15c; doz., \$1.50, prepaid; Selected Size, each, 20c; doz., \$2.00, prepaid.



HYACINTHUS CANDICANS

Ismene Calathina



ISMENE CALATHINA

(Peruvian Daffodil)

Flowers are pure white, borne three or four on a stem, and are very fragrant. Not hardy. Price, each, 20c; doz., \$2.00, prepaid.

LILY OF THE VALLEY

Large Clumps—For outdoor planting, clumps are

best. Plant clumps in a shady moist place. Each, 65c; doz., \$5.00; prepaid.

MADEIRA VINE

One of the best and most popular climbers for foliage effect. Price, 3 for 25c; doz., 90c; 25 for \$1.50, prepaid.

OXALIS

Summer-Flowering—Useful little plants, very effective in masses or beds and particularly valuable for edgings. They produce an unbroken row of foliage about one foot high in continuous bloom. Very fine to grow in hanging baskets indoors. The colors are white, red, pink. Price, any color, doz., 35c; 25 for 60c; 100 for \$2.00; prepaid.

Bulbs Shipped Separately from Seed

Because of weather conditions during January, February and early March, we prefer to send out bulbs after March 20th except to customers in the south or California, to whom we ship at once, packed against freezing. Customers should open the package upon arrival and if bulbs can not be planted at once they should be placed in a dry and frostproof cellar until ready to plant.

Milla Biflora

New introduction from Mexico, where it is called Estrellitas, or Little Stars. Showy white flowers, two inches in diameter, with six petals not quite separated. The stems are wiry, 12 to 18 inches tall. Very free blooming from July to September.



MILLA BIFLORA

Flowers cut well and have a pleasant Lily-like fragrance. Should be dug in fall, except in milder climates.

Each, 15c; doz., \$1.50; 100, \$10.00.

Montbretias



MONTBRETIAS

Plant Early

Montbretias are easily grown and their graceful flower-stems add much to any garden. They are highly valued for cut flowers. Our mixture contains many bright shades of yellow, salmon, orange, and scarlet.

They do best in a light loamy soil enriched

with leaf mould and a little lime, no manure. Where the ground freezes deeply in the winter, they can be treated as gladioli. But in localities where the ground does not freeze deeply, the usual winter protection may be given, and they will multiply.

Special Mixed. Price, 3 for 25c; doz., 80c; 100, \$5.50, prepaid.

Earlham Large Flowered Hybrids

They are a completely new race, being generally much taller and more robust in growth, and having flowers of great size and beauty, some measuring 3 to 4 inches.

Special Mixed. 3 for 40c; doz., \$1.50; 100, \$10.00, prepaid.

RANUNCULUS

Set 3 or 4 inches apart, pressing firmly into the soil, claws downward, and cover them with sand, then with soil; keep the crown of the tubers four inches under the surface. Water them well.

Mammoth Size—Doz., 75c; 100, \$5.00; 1000, \$45.00.

First Size—Doz., 60c; 100, \$4.00; 1000, \$35.00.

Summer

Flowering Bulbs

SPREKELIA

Formosissima (Jacobean Lily)

Closely allied to the Amaryllis, bearing showy brilliant crimson flowers. Dormant bulbs planted in the border early in May will flower within 3 or 4 weeks after planting, or they may be flowered as pot plants in the house during the early spring months.

Large Size—Each, 25c; doz., \$2.50; 100, \$18.00.

Tuberoses Double

(Polianthes Tuberosa)



TUBEROSES

Mammoth Bulbs—Each, 15c; doz., \$1.50; 25 for \$2.50, prepaid.

First Size—Each, 10c; doz., \$1.00; 25 for \$1.50, prepaid.

Second Size—Price, doz., 50c; 25 for \$1.00, prepaid.

Mexican (Single)—They have tall, stiff stems, flowers pure white, single; true tuberosa fragrance.

Price, doz., 50c; 25 for \$1.00, prepaid.

Excelsior Dwarf Pearl Double

Easily recognized by its exquisite fragrance and beautiful flower-spikes, which are borne on long stems, making it an admirable cut flower. If started in pots, and at the end of May moved to open ground, can be flowered much earlier.

Tigridia

(Shell-Flower of Mexico)

Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb. Can also be used in beds. They bloom from July until frost. Height, 3 ft.



TIGRIDIA

	Each	Doz.	100
Scarlet.....	\$0.15	\$1.35	\$ 9.00
Yellow.....	.15	1.35	9.00
Orange.....	.20	1.80	13.00
Light Pink.....	.20	1.80	13.00
Rose.....	.20	1.80	13.00
Creamy white.....	.20	1.80	13.00

Mixed. Price, 3 for 40c; doz., \$1.35; 100, \$9.00, prepaid.

Fairy Lily

Zephyranthus, Zephyr Lily

One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs.

Candida—Pure white and the most profuse bloomer of all.

Price, doz., 50c; 25 for 80c; 100, \$3.00, prepaid.

Rosea—Beautiful clear rose; flowers large and very handsome.

Price, each, 15c; doz., \$1.25; 100, \$8.00, prepaid.



ZEPHYRANTHUS

THREE ITEMS BELOW
Ready for delivery June 15.

Resurrection Lily

(Amaryllis Hallii) (Lycoris Squamigera)
For Outdoor Planting

Produces in early spring attractive green foliage which grows until May when it ripens off and disappears, and one not familiar with its habits would think the bulb had died, but about a month later as if by magic, the flower stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers three to four inches across and from eight to twelve in number, of a delicate lilac-pink shaded with clear blue.

Culture—The bulb is perfectly hardy without any protection. The proper time to plant is in the summer when the bulb is dormant. Cover the crown about four inches. Each, 75c; doz., \$7.50.

Lycoris Radiata

A coral red Spider Lily. Bulbs planted 5 inches deep July 15th bloomed September 4th. This is not hardy, but has been known to survive freezing in pots. It sends up foliage in March. After the foliage dies down the bulb is dormant and sends its blossom up in August or September, Lily-shaped flowers of orange-red.



LYCORIS RADIATA

Each, 25c; doz., \$2.50; 100, \$18.00.

STERNBERGIA LUTEA

These bulbs planted about 4 inches deep July 15th bloomed from August 7th to September 7th. The flower is yellow and looks very much like a Crocus. They have a thin Hyacinth-like foliage. Hardy with some protection.

Each, 25c; doz., \$2.50; 100, \$12.00.

New Hardy Everblooming Roses

Of Giant Size, Lovely Coloring and Vigorous Growth



STERLING

★ Indicates outstanding garden varieties.

THREE NEW ROSES

Price of the following varieties:

Dormant Roses, \$1.50; 3 of one kind for \$3.75
Pot Plants, \$1.75; 3 of one kind for \$5.00

★Apricot Queen. (Pat. 464.) This new Rose has one of the most beautifully formed rose buds we have ever seen. Bud is long and pointed and opens into perfectly formed flowers of apricot flushed orange yellow at the base, a lovely combination of colors. A strong grower with handsome, leathery foliage and plenty of flowers for cutting. Delicious fragrance.

★California. (Pat. 443.) "The Rose of Roses in shades of gold." Its unusual coloring, ruddy orange toned with saffron yellow, has a dual tone effect of indescribable richness and beauty. Buds long and pointed, flowers of enormous size, often five inches in diameter. Growth vigorous, with healthy, glossy green foliage. Very fragrant.

★Heart's Desire. (Patent Rights Reserved.) This is the No. 1 Rose of the 1942 "All-America Rose Selections." and what a Rose, for it really has everything that your heart could desire. It has color, a pure, even shade of luminous red which does not blue or burn, even in the hottest weather. It has fragrance, a small vase of flowers will sweetly perfume a whole room. It has rich foliage and produces quantities of flowers on long cutting stems all season. It has vigor, being a strong grower like Radiance and Crimson Glory, its parents.

Special Offer No. 100 One each of the above 3 Roses, dormant (value \$4.50) for \$3.75; pot plants (value \$5.25) for \$5.00.

Price of the following varieties:

Dormant Roses, \$1.25; 3 for \$3.15

Pot Plants, \$1.50; 3 of one kind for \$4.25

★McGredy's Sunset. (Patent No. 317.) Soft yellow flushed with orange and scarlet as it opens. Color is intensified as blooms expand and is at its best when fully opened. Full shapely flowers freely borne on strong upright stems. Excellent in hot weather.

Rex Anderson. (Patent No. 335.) Sensationally beautiful new white with an overcast of ivory, slightly deeper in the center. The large blooms are carried, several together, on strong stems and may be grown to enormous size by disbudding. Vigorous plants with an abundance of grey-green foliage which sets the flowers to perfection. Pleasing rose fragrance.

POT PLANTS

These northern grown 2-year field Roses are potted and grown in cool greenhouses. By May they are in full leaf, possibly showing buds, and the roots are well established in a ball of soil. Pot grown Roses not ready till May 1st.

All Pot Roses Shipped Express Collect from Western Springs, Ill.

DORMANT

All our dormant Roses are hardy, Northern grown 2 yr., No. 1 grade and should be planted early. They are shipped express collect or may be shipped by parcel post if postage is sent. Allow 1 lb. for each plant.

See order blank for postage rates.

Price of the following varieties:

Dormant Roses, \$1.00; 3 of one kind for \$2.50
Pot Plants, \$1.25; 3 of one kind for \$3.50

★Crimson Glory. (Patent No. 105.) We consider this the finest of the new red Garden Roses. It gives a quantity of fine blooms all summer and fall. Its large, urn-shaped buds open to deliciously fragrant flowers of intense, deep vivid crimson shaded ox-blood red and mellowed by a soft velvety nap. Vigorous growth.

★Christopher Stone. One of the three finest red Roses. Produces quantities of brilliant, glowing velvety scarlet blooms of good form all season. Delicious fragrance.

Countess Vandal. (Patent No. 38.) Here in one flower are blended all the beguiling tricks known to Roses. Full blooms sturdily borne; contrast of soft colors; the majesty of flaunting lines. Exquisite buds of pink, salmon and gold, excellent for cutting.

★Duquesa de Penaranda. This glorious Rose produces two distinct types of flowers. In summer they are coppery apricot, in autumn a luscious cinnamon-peach color.

★Eclipse. (Patent No. 172.) Introduced in 1936, this Rose is internationally famous and is of seasonally new form. Long, streamlined buds of clear, bright yellow, freely produced. Semidouble blooms, lasting well. A fine garden Rose.

★Girona. Here is one of the most fragrant Roses in existence and one of the best of all garden Roses for cutting. Very strong growing, with good foliage, and superb blooms of a beautiful red and yellow combination.

★Golden Rapture. The perfect yellow Rose. Its rich, glowing yellow buds are of ideal form and open into beautiful, large double flowers which last without fading.

Miss America. (Patent No. 264.) Wonderful new Rose. It has vigor, fine healthy foliage, extreme hardiness, a lovely color, fragrance, and persistence of bloom. The color is flesh with salmon and gold suffusion, faint gold at the base and frequently with a salmon center. Flowers average 65 petals and are produced singly on long stems all through the season.

★Mme. Joseph Perraud. Nasturtium orange buds, open to fragrant flowers of a charming Nasturtium buff.

★McGredy's Ivory. "The perfect white Rose." Perfect buds open into magnificent perfect blooms of ivory-white.

★Picture. This is one of the loveliest of all pink Roses, every flower being a perfect picture in color and form.

★Poinsettia. Here is the Rose that will be the sensation of your garden for it is the most dazzling red Rose we have ever seen. The buds are ideal in form, long and pointed, and open into large, semi-double, beautiful Poinsettia-scarlet blooms, with large well-shaped petals. The plants are good and the blooms are produced profusely during the whole season.

★President Macia. A superb variety that really performs. Extra long, pointed buds of rich carmine-pink, opening into great big blooms, often 5 inches across, of soft flesh-pink, brightened by a yellow flush at the base. Vigorous grower with long stems.

DELUXE ROSE COLLECTION

One each of Girona, Poinsettia, President Macia, Sequoia and The Doctor, dormant, (value \$5.00) for \$3.95; pot plants (value \$6.25) for \$6.00 Shipped express collect.

Rouge Mallerin. A vivid red Rose with petal buds open to long-lasting, full double blooms of rich glowing scarlet which does not fade or blue in the sunshine. Strong vigorous grower. Rich old damask perfume.

Sequoia. Big, ovoid buds of rich orange-yellow, open to immense, very double blooms of luscious ripe pumpkin-flesh, suffused apricot, and shading lighter at the petal edges.

R. M. S. Queen Mary. (Patent No. 249.) Sensational New Garden Rose. Beautiful beyond description with its combination of vivid shades of rich glowing salmon, exquisite pure pink and orange base. Buds long and pointed, flowers large and of beautiful form. Strong grower, flowers delicately perfumed.

★Signora. (Patent No. 201.) There is no other Rose quite like this one, which is one of the finest of the new varieties that have come to America. A warm symphony of color, mostly in shades of brownish orange and salmon. It is a vigorous, tall and free blooming plant with long buds opening double and fragrant.

★Sterling. (Patent No. 21.) Here is a new Rose that is just about perfect. The flowers are a beautiful clear pink with orange base; bud pointed and very lasting when cut. It is a vigorous grower, has disease-resistant foliage, and it blooms and blooms.

★The Doctor. The most glorious pink Rose we have ever seen. The buds are long and pointed and expand to simply enormous blooms of beautiful, glowing rosy pink with satiny pink edges. Intensely fragrant; excellent for cutting.

Will Rogers. (Patent No. 256.) This Rose is one of the finest of velvety reds. In color it is a black crimson-maroon and holds well. Very vigorous and has a really intense old rose fragrance. It is ideal for cutting and bears quantities of flowers throughout the season. Does best in semi-shade.

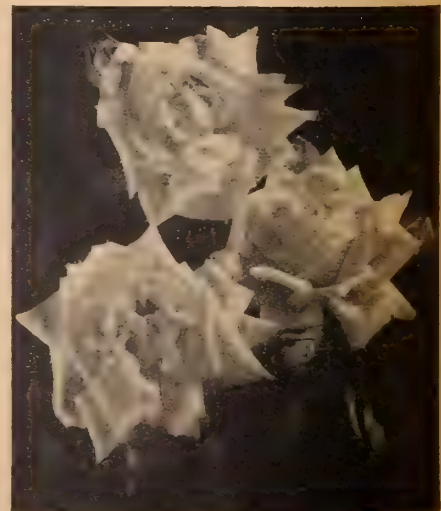
FOUR GREAT ROSES

One each Signora, Crimson Glory, Eclipse, and Sterling, dormant (value \$4.00) for \$3.35; pot plants for \$5.00. Shipped express collect.

NEW PERPETUAL FLOWERING DOORYARD ROSE

Dormant Roses, 3 for \$5.00; each, \$2.00
Pot Plants, 3 for \$6.50; each, \$2.25

★Mabelle Stearns. (Patent No. 297.) A Rosa Setigera Hybrid that is hardy without protection in the Temperate Zone. Very hardy plants growing 2 feet high and spreading 6 to 8 feet or more if permitted. The full double delightfully fragrant flowers of peachblossom-pink are produced in panicles from June until frost, and are excellent for cutting. Rich, green, healthy foliage.



MABELLE STEARNS



McGREDY'S SCARLET

The Hybrid Tea Roses bear their glorious blooms profusely from June until late fall. In severe winter climates they need proper winter protection.

CHOICE EVERBLOOMING HYBRID TEA ROSES

Dormant Roses, 85c; 3, \$2.15; 12, \$8.50
Pot Plants, \$1.10; 3, \$3.00; 12, \$11.00

***Autumn.** Unique coloring, a gorgeous burnt orange, streaked and marked with red. Large handsome buds developing to full double, fragrant blooms.

***Betty Uprichard.** "If I had room for only one Betty Uprichard"—such is the enthusiasm of one great Rose lover for this vigorous, very fragrant Rose. Pointed copper-red buds, opening, reveal petals of soft salmon-pink which, in full bloom, contrast prettily with a reverse of orange-carmine.

Briarcliff. Long pointed buds and large, high centered flowers of deep rose-pink passing to a lighter shade on outer petals. Fragrant. Almost thornless and one of the finest garden Roses for cutting.

Caledonia. Has beautifully shaped, long snow-white buds which open to fine double flowers on long stems for cutting. It has a delicious fragrance and is profuse in its habit of bloom.

***Cynthia.** An outstanding cut flower variety. Exceptionally well-formed buds and full double flowers of brilliant carmine.

***Condesa de Sastago.** A spectacular Rose with cupped flowers of orange-scarlet with yellow reverse.

***Dainty Bess.** We consider these exquisite flowers of delicate rose-pink, with contrasting center of wine-red stamens, the finest of all the single Roses. The flowers are 3 to 4 inches across, come continuously in clusters on long spikes, and are very lasting when cut.

Dame Edith Helen. Though there are many fine pink Roses, this one remains a leader. Blooms are of magnificent size and substance on bushes of vigorous upright growth. It is extremely double and high centered with broad petals that curl back luxuriously.

***Editor McFarland.** Exceptionally fine deep pink variety, good grower, and excellent cut flower.

E. G. Hill. Long, perfectly formed buds opening to full double flowers of dazzling scarlet, shading to deeper red. Flowers are borne on long stems and are deliciously fragrant. A Rose that is popular everywhere for its brilliant color, freedom of bloom and lasting qualities.

***Etoile de Hollande.** A brilliant dark red Rose of magnificent size and perfect form. Vigorous grower, heavy bloomer; flowers deliciously fragrant and beautiful in all stages of development.

***Golden Dawn.** Buds lemon-yellow, splashed with carmine, open to great big fragrant flowers of pale straw yellow.

Gruss an Teplitz. Rich scarlet shading to crimson, very fragrant. A vigorous grower and in bloom all the time. One of the best outdoor bedding varieties. Very hardy.

Hinrich Gaede. Long pointed, Nasturtium-red buds and big double blooms of rich luminous vermilion shaded golden yellow.

***Joanna Hill.** One of our most popular Roses and the best of its color. Rich cream and ivory with a yellow-orange heart. A long-lasting cut flower of fine form, whether in graceful bud or full blown flower.

Kaiserin Auguste Viktoria. Creamy buds slowly to snowy white blooms of perfect form.

Leonard Barron. A very hardy Rose. Its immense blooms, over 5 inches across, are probably the largest of any everblooming Rose. They are a lovely salmon-pink with an amber glow. Vigorous, bush growth.

See Rose Collection on Page 5.

***Margaret McGredy.** Comparatively new variety. Large Oriental red blooms, rich color and vigorous, bushy growth. Blooms continuously.

Max Krause. Probably the best golden yellow Rose for outdoor use—a gold that stays gold. Long buds open into very large, extremely double, fragrant blooms of great substance, freely borne on long stems.

***McGredy's Scarlet.** A Rose with the McGredy name is always a top-notch and this one is no exception. Its perfectly formed flowers of vivid rose-red come on long stems and are excellent for cutting.

***McGredy's Yellow.** Beautifully formed buds of pure, light butter-cup yellow; open flowers cup-shaped.

***Mme. Butterfly.** This Rose should be in every collection, large or small. Time has proved its dependability and endeared it to the hearts of all. Light pink petals with deep shadings of apricot and gold at its heart and petal lips of ivory white.

***Mme. Jules Bouche.** Long, pointed, shapely buds, excellent for cutting, opening into superb white flowers, slightly shaded at times with bluish pink; fragrant. Plant exceptionally strong and continuously in bloom.

***Mrs. Charles Bell (Shell-Pink Radiance).** An exquisite shade of salmon-shell-pink that is not found in any other Rose. Has delicious fragrance and all the excellent qualities of Radiance.

***Mrs. Erskine Pembroke Thom.** An unfading yellow with dark healthy foliage. Slender buds open to perfectly shaped flowers of canary yellow.

Mrs. Henry Bowles. A large well formed, fragrant Rose of brilliant pink with salmon shadings. Extra good bloomer.

Mrs. Pierre S. DuPont. One of the most continuously blooming Roses grown and winner of more medals than any other outdoor Rose. Long pointed, reddish gold buds opening into exquisitely formed flowers of dark golden yellow that holds well. Compact bushes with glossy, healthy foliage.

President Herbert Hoover. Its deep copper-red buds open slowly to a wonderful blend which can only be described as multi-colored, with a dominance of cerise-pink and rich cream veined with scarlet. Superb buds; large flowers, lasting well; long stems—in fact every detail of this excellent rose adds to the beauty that has made it so popular.

***Pink Dawn.** Full, double flowers of glistening rose-pink, changing to soft pink with a gold base. Buds are extra long; excellent for cutting. Very popular as it blooms freely and grows vigorously like the Radiance Roses.

***Radiance.** Brilliant rose carmine, shaded with pink, large, full, of fine form. A constant bloomer and an excellent keeper in summer.

***Red Radiance.** Flowers clear cerise-red. Size, foliage, growth and habit same as in the parent Radiance. Hardy; strong grower.

***Southport.** Very showy, probably the most brilliant of all scarlet Roses. Fine buds of lovely form on long stems. Prolific bloomer.

Souvenir de Claudius Pernet. Flowers sunflower-yellow, unfading even in the warmest weather.

Souv. de Mme. C. Chambard. Very beautifully fragrant, pink blooms. The buds are large, long pointed, coral in color, and slowly unfold to a coral-pink flower developing a satiny peach tint. Strong vigorous grower.

Talisman. A remarkable blending of gold, apricot, yellow, deep pink, and old rose. The Rose of many Gold Medals.

SURPRISE ROSE COLLECTION

This is made up of our selection of Everblooming Hybrid Tea Roses. They will all be high grade Roses, in a wonderful assortment of colors, worth from 85c to \$1.25 each. Every Rose will be labeled (no two varieties alike) and because you are letting us make the selection, we are giving you this bargain price. Shipped express collect.

- 5 Roses, our selection, dormant for \$2.95
- 5 Roses, our selection, potted for 4.00
- 10 Roses, our selection, dormant for 4.95
- 10 Roses, our selection, potted for 7.00

Vaughan's Seed Store: Sept. 25, 1941.

I have had wonderful success with my first venture in rose culture. In the Spring I purchased 55 hybrid tea roses from you. I planted these a little late but up to date I have picked at least 125 dozen roses. Am simply thrilled at my results and the foliage has been so healthy through it all.

The Crimson Glory is wonderful, Caledonia is another favorite, Southport another—Herbert Hoover and Radiance are lovely. In fact most of the plants are healthy and have yielded abundantly. I have about five that I will not repeat on another season—but I think I have had great success generally.

Mrs. T. W. Brazean,
Wisconsin Rapids, Wis.

FLORIBUNDA EVERBLOOMING ROSES

These Roses are among the hardest and most continuous blooming hybrids offered, giving a spectacular and permanent display from June until frost. Their flowers are almost as large as those of the Hybrid Teas, but are borne in clusters which are very showy in the garden and provide excellent bouquets for the house. Wonderful for planting in groups in the border, for bedding or for everblooming hedges. A dozen plants should give you hundreds of blooms this summer.

Price, except where noted,

Dormant Roses, 85c; 3 of one kind for \$2.15; 12, \$8.50

Pot Plants, \$1.10; 3 of one kind for \$3.00; 12, \$11.00

Betty Prior. Floribunda. (Pat. No. 340.) Exquisite single blooms, borne in large clusters on strong stems. Outside of petals dark carmine, inside delicate shell-pink. Very vigorous and continuous bloomer; fragrant.

***Dagmar Spath (White Lafayette).** Large trusses of pure white semi-double flowers, produced freely all summer. Excellent for cutting.

***Donald Prior.** Floribunda. (Pat. 377.) The large flowers are semi-double, cup-shaped, bright scarlet, flushed crimson, a very striking color. Fragrant, foliage dark green; very free flowering.

***Improved Lafayette.** An unusually prolific large flowering variety; very showy and fine for mass plantings. Flowers deep brilliant red, richly suffused crimson, almost as large as a Hybrid Tea Rose.

***Mrs. R. M. Finch.** Double soft rosy-pink flowers, 2 inches in diameter, in large showy, fragrant clusters. One of the finest pink Floribundas. Vigorous grower.

***Pink Gruss an Aachen.** Large, very double, deep salmon-pink blooms like a hybrid tea rose. Ideal for bedding; produces a constant mass of bloom.

***Rochester.** Floribunda. (Patent No. 131.) A group of Rochester is a continuous mass of beautiful flowers. Full double blooms, creamy yellow, tinted with the colors of an Oriental pearl. Foliage heavy and disease resistant; growth vigorous; hardy.

Dormant, \$1.00; 3, \$2.50; Pot Plants, \$1.25; 3, \$3.50.

***Rosenelfe.** Unusually beautiful, silvery rose-pink flowers of Gardenia-like form. They are very double, about 2 1/2 inches across, and are produced freely all summer.

World's Fair. (Patent No. 362.) Large clusters of velvety, black-scarlet flowers, nearly 4 inches across, with 18 to 20 petals. Blooms continuously; fragrant. Luxuriant foliage.

Dormant, \$1.00; 3, \$2.50; Pot Plants, \$1.25; 3, \$3.50.

Special Offer No. 101. Spath, Improved Lafayette and Mrs. R. M. Finch, 3 dormant plants for \$2.00; 3 each, 9 dormant plants for \$5.40; one each, 3 pot-grown plants for \$2.65; 3 each, 9 pot-grown plants for \$8.50. Shipped express collect.

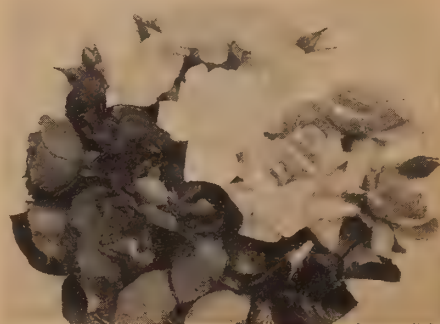
THREE NEW FLORIBUNDAS

Dormant, \$1.00; 3, \$2.50; Pot Plants, \$1.25; 3, \$3.50.

Cheerio. Superb variety with brilliant double flowers of clear mallow pink shading to Tyrian rose at the base of the petals with reverse or outside a luminous rose-madder that creates an effective color balance.

Red Velvet. A spectacular bedding Rose, covered with urn-shaped buds opening to well-rounded blooms of an intensely vivid crimson lake. The velvety finish of the flowers adds to the beauty and richness of the color. Vigorous and free blooming.

Sunmist. Graceful, pointed buds opening into large, well-rounded flowers of a clear light sulphur yellow shading to mellow canary yellow toward the base of the petals. Forms large flower clusters that give a glorious effect, particularly in masses.



RED VELVET, SUNMIST, CHEERIO



**ORANGE TRIUMPH
POLYANTHA EVERBLOOMING
ROSES**

Dormant Roses, 85c; 3, \$2.15; 12, \$8.50
Pot Plants, \$1.10; 3, \$3.00; 12, \$11.00

These, like the Floribundas, are very hardy and continuous blooming, producing their small flowers in large, showy clusters on neat, compact bushes.

Cecile Brunner (The Sweetheart Rose). The charm of this variety is in its beautifully proportioned buds and half open flowers. Soft, rosy pink on a background of creamy white.

★**Orange Triumph.** One of the best of all Polyanthas, producing huge clusters of magnificent salmon-red blooms all season. Strong grower with good glossy green foliage.

A Good Growing Tip

As soon as dormant Roses are planted, hill them up with 3 or 4 inches of moist soil. This keeps the wind from drying the plants and helps them to leaf out more quickly. Remove soil gradually as plants begin growing.

HYBRID PERPETUAL JUNE ROSES

Hardy as oaks, and producing the finest flowers of the whole rose family, these roses not only flower freely in June, but often produce another crop of blossoms in the fall. Blossoms are larger, more fully double, of better color and plants live for years even in the coldest states.

Dormant Roses, 85c; 3, \$2.15; 12, \$8.50

★**Frau Karl Druschki** (White American Beauty). Pure white, long, immense buds and perfectly double flowers. For bedding and for cutting it is the finest in its class. Blooms all the time.

Harrison's Yellow. (Austrian Briar). This is the hardy yellow rose of olden times. Deep golden yellow, semi-double and very hardy.

Henry Nevard. Unusually fragrant crimson-scarlet flowers of fine form. An improved American Beauty that blooms very freely.

★**Mrs. John Laing.** Beautifully formed, extremely fragrant flowers of clear pink on strong stems. Splendid for cutting. Very popular, as it blooms almost as freely as a Hybrid Tea.

Ulrich Brunner. A Rose of beautiful form and finish, brilliant cherry-crimson. Vigorous, blooming continuously in the open.

Special Offer No. 102. One each above 5 hardy June Roses (value \$4.25) for \$3.00.

VISIT VAUGHAN'S ROSE GARDEN

You are invited to inspect our Rose garden, at West Forty-seventh street and Willow Springs road, Western Springs, Ill., where over 1000 plants of both new and old varieties are on display.

Hardy Climbing Roses

Attention is invited to the many types of climbing Roses in our list. New varieties are creating greater interest in climbers. Many varieties are quite hardy but we advise winter protection.

Price of the following 10 varieties:

Dormant, 85c; 3, \$2.15; 12, \$8.50

Bonfire. Best red rambler. Many heavy trusses of small double dazzling scarlet flowers in large clusters of 20 to 25 blooms.

Climbing American Beauty. A free-climber. Rosy crimson flowers, 3 to 4 inches across, produced freely in June and occasionally throughout the season.

Chaplin's Pink Climber. Lively pink blooms in clusters of 8 to 12 large and shapely flowers. A strong grower.

Dorothy Perkins. Beautiful shell-pink double flowers in large clusters. Strong, vigorous grower.

Dr. W. Van Fleet. The delicate flesh-pink flowers are full and double, sweetly perfumed; beautiful bronze green foliage.

Mary Wallace. Well formed, semi-double flowers of a bright clear rose-pink with salmon base. Flowers, generally 4 inches in diam.

Mme. Gregoire Staechelin. This new variety is the aristocrat of the climbing Roses. Its beautiful flowers are of enormous size and are followed by fruits as large as small pears. The blooms are iridescent pearl-pink, splashed with carmine. fragrant.

Paul's Scarlet Climber. A most important addition to the Climbing Roses; none can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber.

Primrose. A pure yellow, hardy climbing rose. Its large, double flowers are a soft, rich primrose yellow, and are borne in clusters of 4 and 5 on an extremely vigorous plant.

Silver Moon. Beautiful, fragrant, semi-double flowers four and a half inches and over in diameter. Creamy white petals.

Pot Plants. We can supply Climbing American Beauty, Paul's Scarlet Climber, Primrose and Silver Moon in pot plants at \$1.10 each; \$11.00 per dozen.

**STANDARD
TREE
ROSE**



These ornamental and much prized Roses are bush shape, grafted to a standard or trunk 3 feet high. Hybrid Teas are chiefly used, and the bush or head is capable of bearing 30 to 50 blossoms each season. Need winter protection.

We can supply the following, except where noted, dormant only, at \$3.50 each; \$35.00 per doz.

- Improved Lafayette
- Mme. Jules Bouche
- Mme. J. Perraud
- Mrs. E. P. Thom
- Paul's Scarlet Climber
- Crimson Glory, each \$3.75
- Radiance
- Red Radiance
- Southport
- Talisman

ROSA ROULETTI
NEW MINIATURE OR LILLIPUT ROSE. Ever-blooming, hardy, height 6 to 8 inches, double dark pink blooms in profusion.
Plants, 50c; 3 for \$1.10; doz., \$3.50

TOM THUMB
CRIMSON. PAT. 159 "WORLD'S SMALLEST RED ROSE." A tiny gem for rockery, border or pool's edge. Everblooming. Dwarf grower, hardy. Flowers rich crimson, white center, studded with gold stamens. 75c each; 3 for \$1.90; 12 for \$7.25.

NEW PATENTED CLIMBING ROSES

Price, except where noted:

Dormant Roses, \$1.00; 3 of one kind for \$2.50
Pot Plants, \$1.25; 3 of one kind for \$3.50

Blaze. (Plant Patent No. 10.) A marvelous, scarlet-red Rose, combining the bloom and growth of Paul's Scarlet Climber with everblooming character. Blooms are double, often 4 inches in diameter. Gives a fine display in June and then blooms intermittently all through the season.

Doubloons. (Plant Patent No. 152.) A hybrid of our native Rosa Setigera and very hardy. Clusters of very large cup-formed, saffron yellow blooms, opening one after the other. Long heavy canes. Undoubtedly the best yellow climber to date. Has the tendency to repeat in midsummer.

Flash. (Pat. 396) Probably the most vividly colored hardy Climbing Rose in existence. The flowers are a glowing, flashing color of vivid orange-scarlet with the back of the petals yellow, suffused with scarlet. The center of the flower is gleaming yellow and filled with golden anthers. It is a prolific bloomer for several weeks and although a vigorous grower, attains a height of only about 7 feet. **Dormant only, \$1.00.**

★**Golden Glow.** (Patent No. 263.) We believe this new hardy climber will produce more flowers than any other one-crop climber in your garden. The pure spectrum yellow flowers of hybrid tea type and good China tea fragrance, are 3 1/2 to 5 inches across and are produced on stiff stems, 1 to 15 or more, over a long period. The color is practically fadeless and the flowers literally cover the plants, making a wonderful display. Vigorous grower.

Hercules. (Patent applied for.) A Rosa Setigera Hybrid that is hardy without protection in the Temperate Zone. Huge flowers, 5 to 6 inches across, of clear, deep rose-pink that will equal the finest Hybrid Tea Roses. Flowers abundantly. Attractive, rich bronzy green leaves. **Dormant only, \$2.00.**

Thor (Giant Scarlet Climber.) (Patent No. 387.) Brilliant scarlet-red of the same shade as Crimson Glory. The flowers are perfectly formed, 4 to 5 inches across, and are just as handsome as those of a Hybrid Tea Rose. Flowers have 55 to 60 petals and are produced abundantly. Foliage rich bottle-green which does not mildew or black-spot. Hardy without protection in the Temperate Zone. Unquestionably the finest scarlet Climbing Rose creation to date. **Dormant, \$2.50; Pot Plants, \$2.75.**

The New Dawn (The Hardy Everblooming Dr. Van Fleet). Patent No. 1. The first patented Rose and the first ever-blooming climbing Rose. A sport from Dr. Van Fleet, having same habit of growth. The delicate flesh pink flowers are fragrant and bloom all summer and fall. **Dormant, \$1.50; 3, \$3.75; Pot Plants, \$1.75.**

Special Offer—Three Patent Roses
One each Blaze, Doubloons, and The New Dawn. Dormant (value \$3.50) for \$2.95; Pot Plants (value \$4.25) for \$3.65.



PATENTED ROSE BLAZE

Vaughan's Hardy Climbing Vines



CLIMBING HYDRANGEA

All prices f. o. b. our nurseries, Western Springs, Ill.
If wanted by Parcel Post, add 10c for 1 plant, 20c for 3 plants for postage.

TO MAKE a green canopy over pergolas, clothe bare walls with beauty, adorn trellises, transform fences into walls of green, and for many other purposes, hardy climbing vines are useful in the garden. We list varieties of proved merit, among which will be found subjects suitable for any of the uses mentioned.

BITTERSWEET (*Celastrus Scandens*)

A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. Succeeds well in shade. We recommend planting 2 or more in a group. 2 yr., 55c; 3 for \$1.40; doz., \$5.50; 3 yr., 65c; 3, \$1.75.

CREEPER (*Ampelopsis*)

Boston or Japanese Ivy (*Ampelopsis Tricuspdata* or *Veitchii*). The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy-leaves overlap each other, and its long delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2 yr., 50c; 3 for \$1.35; doz., \$5.00; 3 year, 65c; 3 for \$1.75; doz., \$6.50.

Engelman's Creeper (*Ampelopsis Engelmani*). One of the hardiest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner and of greater substance. Leaves color beautifully in the fall. Has a tendency to cling to brick or stucco. 2 yr., 40c; 3 for \$1.10; doz., \$4.00.

CLIMBING HYDRANGEA

***Hydrangea Petiolaris*.** A worth while hardy climber with white, four-petaled flowers in 6 to 8 inch loose clusters in July. Will cling to brick or stone walls. Slow growing when young, but once established, makes a rapid growth. Grows best on north or east sides of buildings. Strong pot-grown plants, \$1.25; 3 for \$3.15.

TRUMPET CREEPER

***Bignonia Radicans*.** A robust, tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. Useful wherever a showy flowering vine is desired. Will cling to wood. 2 yr., 50c; 3 for \$1.35; 3 yr., 60c; 3 for \$1.65.

***Bignonia Mme. Galen*.** A more dwarf form of the above with immense flower clusters, often exceeding 15 inches in length. 2 yr., grafted, \$1.00; 3 for \$2.70.

DUTCHMAN'S PIPE

Aristolochia Siph. A vigorous and rapid-growing climber, bearing striking brownish colored flowers, resembling a miniature pipe in shape. Its large, rich glossy, dark green heart-shaped leaves give a tropical foliage effect and produce a splendid shade. It is very hardy and will thrive in sun or shade. 2 yr., 75c; 3 for \$2.00; doz., \$7.50; 3 yr., grafted, \$1.50.

VARIOUS SPECIES OF CLEMATIS

Duchess of Albany (New). Vigorous sprays of gorgeous pink trumpet-shaped flowers about 3½ to 4 inches long. Blooms from July to September. Flowers will last two weeks when cut. 2 yr., \$1.50.

Scarlet Clematis (*Texensis*). Bell shaped flowers, bright coral-red, from June until frost. 60c; 3 for \$1.50.

Sweet Autumn Clematis (*Clematis Paniculata*). The flowers are pure white, deliciously fragrant and produced with the greatest freedom in September when few other vines are in bloom. The most popular of all the small-flowered vines. 2 yr., 60c; 3 for \$1.65; doz., \$6.00.

Virgin's Bower (*Virginiana*). Small white flowers in August; plummy seed heads in fall. Foliage deeply toothed, purple in autumn. 2 yr., 50c; 3 for \$1.35.

LARGE-FLOWERING CLEMATIS

The most beautiful of all our flowering vines.

Henryi. Pure white flowers, usually eight-petaled, and often 6 to 8 inches in diameter.

Jackmani. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion.

Mme. Edward Andre. Very beautiful bright velvety red, free-flowering and continuous bloomer.

Ramona. An extra good variety that gives plenty of bloom of a distinct shade of light lavender blue.

Prices of the above 4 varieties: 1-year, 2½ inch pots, each, 50c; 2-year, each, 90c; 3-year, each, \$1.15.

Gold Medal Collection. One each Jackmani, Henryi and Mme. Edward Andre, 1-year for \$1.35; 2-year for \$2.50; 3-year for \$3.00.

FIVE FINE NEW VARIETIES

Belle of Woking. Handsome double flowers of silvery gray. Profuse bloomer in July and again just before frost. 2 yr., \$1.25; 3 for \$3.15.

Comtesse de Bouchaud. Beautiful flowers with gracefully curved petals of satiny rose. Blooms from July to Sept. Very distinct. 2 yr., \$1.25.

Crimson King. Truly spectacular, bright red flowers that are often 6 to 7 inches in diameter. Blooms from June to September. \$1.25.

Lord Neville. Very dark, velvety blue-purple. Exquisite in color, with petals rich in texture. Has a long blooming season. 2 yr., \$1.25.

Prins Hendrik. Of rare orchid-like beauty, with gorgeous azure-blue, ruffled petals, often 7 inches in diameter. Blooms from June until frost. \$1.75.

Special Offer: One each of Belle of Woking, Crimson King, and Lord Neville. 2-year, for \$3.25.



CLEMATIS Belle of Woking



SILVER LACE VINE

***Polygonum Auberti*.** Of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers that turn rose-colored as they begin to fade, and the combination of white and rose makes an exceedingly pretty picture. 2 yr., 65c; 3 for \$1.75.

HARDY ENGLISH IVY

***Hedera Helix Gracilis*.** A graceful evergreen vine that has dark green foliage and is identical in habit with the well-known English Ivy, except that it is hardy and has smaller leaves. Succeeds well in shady places and makes an excellent ground cover. 4 in. pots., 50c; 3 for \$1.35; doz., \$5.00; 2½ in. pots, each, 35c; doz., \$2.75; 100, \$15.00.

HONEYSUCKLE (*Lonicera*)

Excellent vines for covering arbors, fences, pergolas, verandas, etc., and for ground planting under trees. If used on terraces or embankments will prevent washing. All are hardy and improve in beauty yearly.

Everblooming Honeysuckle (*Lonicera Heckrottii*). Remarkable for large size and distinct appearance of its flowers, crimson-carmine without and golden apricot inside. They are very beautiful and fragrant and are in bloom from the middle of June until the coming of frost. 2 yr., 60c; 3 for \$1.65.

Goldflame Honeysuckle. Everblooming like the above, with fragrant, trumpet-shaped flowers, bright red outside, yellow inside. 2 yr., 75c; 3 for \$2.00.

Hall's Japanese Honeysuckle (*Lonicera Japonica Halleana*). One of the finest of all vines. Almost evergreen, with very fragrant, pure white flowers, changing to yellow, in late summer and fall. 2 yr., 60c; 3 for \$1.50; 3 yr., 75c.

Trumpet Honeysuckle (*Lonicera Sempervirens*). Fuchsia-like scarlet flowers, very free and beautiful. 2 yr., 50c; 3 for \$1.35.

KUDZU or Jack-and-the-Bean-Stalk Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture soft and woolly. Fine for porches, arbors, old trees, etc. 40c; 3 for \$1.10.

WISTERIA

Very strong growing vines that climb high and twine tightly. To get the best bloom, do not over-water or over-fertilize, but prune regularly, cutting back all superfluous growth in August and again in September.

American Purple Wisteria (*Wisteria Magnifica*). Purple-lilac, pea-shaped flowers, borne in pendulous racemes in late May. 2 yr., 55c; 3 yr., 65c.

Chinese Wisteria (*Wisteria Sinensis*). Blooms very profusely early in summer; flowers violet-blue, in long pendulous clusters. Our plants are propagated from blooming wood. 2 yr., grafted, 90c.

Tree Form. 3 to 4 ft. stems, 6 yr. plants, 2 yr. heads, B & B., \$7.50.

Multijuga Naga Noda. This variety has astonishingly long clusters of light purple flowers. On well-established vines they will run 3 to 4 ft. in length. Stock very scarce. 2-yr., grafted, \$1.50.

Pink Japanese Wisteria (*Wisteria Multijuga Rosea*). The queen of the Wisterias. Vigorous growing, with extremely long, full clusters of beautiful pink flowers. 1 yr., grafted, \$1.00.

White Chinese Wisteria (*Wisteria Sinensis Alba*). Pure white, very fragrant, 2 yr., grafted, 90c.

ASK FOR OUR COMPLETE LIST OF CLEMATIS

New Flowering Shrubs and Hedge Plants



FUCHSIA SCARLET BEAUTY

FUCHSIA Scarlet Beauty

Gloriously beautiful new Plant Sensation
Fuchsia Riccartoni (Plant Patent No. 440) 3 to 4 ft. Words cannot do justice to this plant but picture to yourself an upright plant having from twenty to thirty stems, and which from July until severe frosts are covered with 1½ inch flowers of rose-red, with corolla of mulberry purple. The plants have very pleasing foliage, and are truly a sight to behold. Hardy. Will succeed in shade and requires plenty of water. Field grown plants, 85c; 3 for \$2.00; 3 in. pot plants, ready in May, 50c; 3 for \$1.20.

Fuchsia Riccartoni Senorita. 3 ft. A seedling of Scarlet Beauty which has much larger stems; foliage and flowers. Blooms profusely from August until frost. Should be mulched for winter. 3 in. pot plants, ready in May, 75c; 3 for \$1.75.

AZALEA

Chinese Azalea (A. Mollis). 3 to 4 ft. One of the most glorious of the Azaleas, with flowers of yellow, orange, lemon, salmon and terra-cotta borne before the leaves appear. It is of dwarf, compact growth with bright green foliage turning to bronze and red in fall. We can supply mixed colors only. The plants we offer have flowering buds and should bloom this spring. 9 to 12 in. B. & B., \$1.50; 3 for \$3.75.

BARBERRY (Berberis)

Mentor Barberry (Berberis Mentorensis). (Patent No. 99.) 3 ft. It is extremely hardy and is able to withstand intense heat and drought without wilting or burning. Its foliage is heavy and thick and as dark green as the Japanese Yew; almost evergreen. An ideal shrub for low hedges or foundation plantings. 15 to 18 in., 55c; per 10, \$3.75; per 100, \$30.00; 18 to 24 in., each, 75c; per 10, \$5.00; per 100, \$40.00.

Truehedge Columberry (Berberis T. Erecta). (Patent No. 110.) 4-5 ft. It is decidedly upright with rich foliage. It may be used for formal hedges without pruning because of its pyramidal habit. 15 to 18 in., each, 40c; per 10, \$3.00; per 25, \$6.00; per 100, \$22.00; 18 to 24 in., each, 45c; per 10, \$3.50; per 25, \$7.00; per 100, \$25.00.

4 NEW BUDDLEIAS \$1.95 (Butterflybushes)

One each of those listed below.

A very pretty class of shrubs, bearing during July and continuing until frost, long tapering spikes thickly covered with minute tubular flowers of pleasing fragrance. The stalks die to the ground each winter but come up vigorously again in the spring.

Charming. 4 ft. A glorious variety, bearing elegant long sprays of lavender-pink blooms. Is decidedly pink in color as compared with other varieties.

Dubonnet. 4 ft. A splendid new color, matching that of the French Dubonnet wine, glowing red in the sun or under artificial light.

Eleanor. 2½ to 3 ft. Full, compact, flower heads of a beautiful shade of Eleanor-blue with orange eye. Keeps well cut. Dwarf bushy growth.

Orchid Beauty. 3 to 4 ft. One of the finest Buddleias in existence, having flower heads up to 24 inches in length, broad at the base. Individual florets fringed; color soft cattleya-lilac with brilliant orange eye. Strong grower, heavy foliage; excellent cut-flower.

Prices of above, field grown, each, 65c; 3 for \$1.75.

All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.

The figures in italics following each variety indicate in feet the average height of the plant at maturity. B. & B. indicates "Balled and Burlapped."

DAPHNE

Rose Daphne (Daphne Cneorum). 1 ft. A gem for the rock garden or for edging borders. A dwarf evergreen shrub of trailing habit with leaves of dark glossy green, glaucous beneath. Small, tubular, rose-pink flowers of spicy fragrance are borne in clusters in May and again in late September. Does best in sun in a well-drained, rather sandy soil. In cold climates the plants should be protected during winter. 10 to 12 in., B. & B., each, \$1.75; 3 for \$4.50.

Somerset Daphne. (Patent No. 315.) 2½ ft. A new fragrant and easy-to-grow Hybrid Daphne. The star-like bluish-white flowers are deliciously fragrant and occur in quantities during May and June. Foliage rich dark green, giving the effect of boxwood. Grows about as broad as high. 15 to 18 in., B. & B., \$2.00.

EUONYMUS (Wintercreeper)

Bigleaf Wintercreeper (Euonymus Radicans Vegetus). This hardy evergreen trailer has round leaves and is sometimes called "Evergreen Bittersweet" on account of its gorgeous red berries, which are resplendent all winter against a rich deep evergreen foliage. Makes a useful ground cover or will climb on brick or stone, 12 to 15 in., 65c; 10, \$5.50; 15 to 18 in., 90c; 10, \$7.50.

HEATHERMINT (Elsholtzia Stauntoni)

3 to 4 ft. An excellent autumn flowering shrub producing attractive spikes of reddish purple flowers, resembling heather; September and October. The leaves of the plant, when bruised, emit a mint fragrance. Plant in a sunny location. 18 to 24 in., 75c; 3 for \$2.00; 2 to 3 ft., 85c; 3 for \$2.25.



HEATHERMINT

HYDRANGEA

Blue Hydrangea. 2 ft. A beautiful hardy Hydrangea of deep and intense blue. Blooms for a long time in late summer. Will grow in sun or light shade. Protect during winter in colder climates. Use a little alum when planting to assure the best color. \$1.50.

MOCK ORANGE (Philadelphus)

Virginalis. 7 to 8 ft. One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet, being completely covered with extra large, single and semi-double flowers that are pure white and sweet-scented. It has a long blooming season, the new wood producing large individual flowers often 3 inches across, throughout the summer. 2 to 3 ft., 65c; 3 for \$1.75; 3 to 4 ft., 75c; 3 for \$2.00; 4 to 5 ft., 90c; 3 for \$2.50; 5 to 6 ft., \$1.10; 3 for \$3.00.

ESPALIER or TRAINED FRUIT TREES

Ask for our circular, with prices, illustrating these highly ornamental and productive Trees, which are especially suited to the small garden and for special purposes.

4 Extra Fine Lilacs, \$3.25

These are 4 of the most outstanding varieties in our collection and they make a beautiful group planting. One of each, as listed, 2 to 3 ft., (value, \$5.25), for \$3.25.

Belle de Nancy. Double. Large satiny rose showing some white towards the center. Free blooming; extra fragrant. 2 to 3 ft., \$1.25.

Charles Joly. Double flowers of dark wine-red with silvery reverse. One of our very finest Lilacs. 2 to 3 ft., \$1.50; 3 to 4 ft., \$2.00.

Mme. Lemoine. One of the best of the double whites, a pure snow-white with cream tinted buds. The long, erect panicles are forked and have large individual florets. 2 to 3 ft., \$1.25; 3 to 4 ft., \$2.00.

Pres. Grevy. Considered by many as the most satisfactory of the blue Lilacs. This is also one of the outstanding varieties in the large collection at the Arnold Arboretum. Large, compact clusters of double flowers of very fine blue. 2 to 3 ft., \$1.25; 3 to 4 ft., \$2.00. (Our special collection price of \$3.25 for spring delivery only.)

Write for our complete list of Lilacs.

WEIGELA (Diervilla)

Abel Carrieri. 6 ft. One of the best of all Weigelas and one of the most floriferous, producing quantities of large, showy, trumpet-shaped pink and carmine flowers in June. 2 to 3 ft., 65c; 3 for \$1.75; 3 to 4 ft., 80c.

Bristol Ruby. (Plant Patent applied for.) 6 ft. Splendid new variety that blooms profusely in June and early July and occasionally later in the season. Color in effect is a soft ruby-red shading to garnet-crimson. Vigorous grower forming a nice, compact bush. 2 to 3 ft., \$1.25; 3 for \$3.25.

VAUGHAN'S NURSERY CATALOGUE

Listing and illustrating the most popular and meritorious ornamental shrubs, shade trees, evergreens, small fruits, and fruit trees, will be sent free on request.

GARDENIA SCENTED SNOWBALL

Viburnum Burkwoodi. 5 ft. Here is a new garden aristocrat that will become a real favorite as soon as it is better known. It is fast growing, semi-evergreen and bears its very fragrant, waxy, pinkish-white flowers in round, domed clusters in early spring. Foliage is rich, glossy green, brilliantly tinted in autumn. Resembles the popular Viburnum Carlesi, but blooms 2 weeks earlier and is a much better shrub. 15 to 18 in., \$2.00; 18 to 24 in., \$2.75.



VIBURNUM BURKWOODI

Vaughan's Irises



PLANTS BY PARCEL POST—If to be sent by parcel post, add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals. Iris is the most effective if planted 3 of a kind in a clump.

★Indicates outstanding garden varieties.

OUTSTANDING VARIETIES

- ★**Alta California.** 48 in. Superb flowers of deep golden yellow, faintly bronzed, on strong branched stems. Blooms of firm texture, unmarred by sun or rain. 25c.
- ★**Black Wings.** 38 in. Velvety black buds opening to large flowers of intense midnight blue overlaid with a frosty black luster, deliciously fragrant. 25c; 3 for 60c.
- Baldwin.** 40 in. Finely formed flowers of a uniform manganese violet color of gigantic size and outstanding quality. 25c; 3 for 50c.
- California Gold.** 36 in. A super novelty with dazzling, deep golden yellow. Good garden variety as it does not fade. Late. 40c; 3 for 90c.
- ★**Crystal Beauty.** 40 in. Large, perfectly shaped flowers of pure snow white on well branched stalks. 25c; 3 for 60c.
- Copper Lustre.** 36 in. Dykes Medal, 1938. Considered "the Iris of the Century." Its flowers are of huge size and its color a blend of glowing copper and gold with iridescent sheen. Nothing quite like it. 50c.
- ★**Dolly Madison.** 38 in. A most outstanding blend of colors. S. mauvette shading to yellow at base; F. flaring, lilac tinged old gold. 25c; 3 for 50c.
- ★**Frieda Mohr.** 42 in. A gigantic lilac-pink bicolor 6½ inches from the top of the standards to the tip of the falls and 6 inches horizontally. 25c; 3 for 50c.
- Golden Treasure.** 38 in. An exquisite new creamy yellow Iris with a glowing golden heart and rich yellow beard. Huge flowers and perfectly branched stems. \$1.00.
- ★**Indian Chief.** 40 in. Every garden should have this fine red. S. pinkish red; F. glowing velvety red. Large well-shaped flowers of heavy substance. A prolific bloomer. 25c.
- Indian Hills.** 37 in. A stunning Iris of clear rich wine purple. Its large blooms are of good substance and fine, oval form. 60c.
- ★**Junaluska.** 40 in. One of the most beautiful Iris in existence. S. rosy copper threaded with gold; F. brilliant copper-red. Huge flowers of perfect form. 75c.
- ★**Los Angeles.** 40 in. Giant, snowy-white flowers of satin texture; the standards faintly edged lavender blue. One of the finest white Irises. 25c; 3 for 60c.
- ★**Marquita.** 38 in. Enormous, beautifully formed flowers of luminous ivory yellow; falls heavily veined maroon. 50c.

- Missouri.** 36 in. Dykes Medal, 1937. Of sensational size and unquestionably one of the best of all blue Irises. S. clear vivid blue; F. slightly darker; semi-flaring. 50c.
- Naranja.** 40 in. One of the most talked of Iris originations. A large flowered yellow with a distinct orangy overcast on the falls. Decidually and delightfully different. 50c.
- ★**President Pilkington.** 46 in. Very large Iris of excellent form and glorious blend. S. pale buff with a faint bluish suffusion; F. wide and flaring, lavender blue, tinted buff. 25c; 3 for 60c.
- ★**Red Dominion.** 40 in. S. clear lustrous, deep red, slightly frilled. F. broad, horizontal, velvety red; nearly black. One of the most popular Iris grown. 25c.
- ★**Selene.** Extra large white, a real giant. Never fails to bloom; fragrant; early. 20c.

- ★**Sensation.** 38 in. Enormous corn-flower blue flowers of perfect form and perfect flower. 25c; 3 for 60c.
- Sierra Blue.** 48 in. Dykes Medal 1935. Enormous flowers of soft clear, enamel-like blue. It has widely flaring falls, good substance, and a refined finish and graceful form. 35c.
- Snowking.** 40 in. A great beauty and The King of the white Irises. Giant snow-white flowers of fine forms. 90c.
- ★**Valor.** 52 in. Velvety blackish violet-blue bicolor of huge size and perfect shape on very tall stems. 25c; 3 for 50c.
- ★**Wm. Mohr.** 26 in. One of the most remarkable Irises ever raised. The ground color is pale lilac, the standards flushed darker, and the whole flower is beautifully veined manganese-violet. 25c; 3 for 60c.

Ten Iris Aristocrats \$2⁰⁰

Catalogue Value \$3.05 (Postage 15c additional)

These are among the fifty finest Irises in cultivation. Each is rated close to perfection and not long ago not one could have been purchased for the price of the collection. Your Iris display is lacking if you have not these varieties; and our low prices make it possible to own them for less than the cost of ordinary plants.

- ★**Blue Triumph.** 42 in. A magnificent iris, considered the finest light blue yet introduced. The flowers are very large and flaring and of heavy substance, with smooth velvety finish. Huge stalks, carrying from 12 to 15 flowers widely set apart. 35c; 3 for 75c.
- ★**Buechly Giant.** 40 in. This new variety has the largest flowers of any Iris we grow. It is a clear lavender blue bicolor that has the perfect form of Frieda Mohr. Will create a sensation in any garden. 25c; 3 for 60c.
- ★**Cheerio.** 40 in. Considered the most brilliant of all the red toned Irises. S. golden tan flushed rose; F. rich, glowing velvety red. Produces an abundance of finely formed flowers. A "must have" for your garden. 40c; 3 for 90c.
- ★**Gudrun.** 36 in. Enormous, well shaped flowers of lovely pure white, dusted with soft gold at the throat. Very fine. 35c; 3 for 75c.
- ★**Happy Days.** 40 in. An immense clear yellow most easily described as a yellow El Capitan. Perfectly branched, with each stalk carrying 7 or 8 massive blooms. 35c; 3 for 75c.
- ★**Jean Cayeux** 38 in. Dykes Medal 1931. This Iris is a masterpiece. A beautiful blending of coffee or Havana brown with a golden glint that is enchanting. The flowers are of perfect shape and are borne over a long season on splendidly branched stalks. No variety quite like this one. 35c; 3 for 75c.
- ★**No-we-ta.** 35 in. A beautiful, true pink self in effect with yellow flushes at the center. The whole flower is softly frilled. An exquisite Iris and a fine garden variety. 25c; 3 for 60c.
- ★**Sir Michael.** 48 in. A striking Iris, considered by many the finest blue bicolor. S. opalescent lavender-blue; F. rich deep velvety purple; brilliant red gold beard. A magnificent grower with strong widely branched stems. 25c; 3 for 60c.
- ★**The Black Douglas.** 48 in. S. dark violet; F. blackish violet. Very fine, richly colored Iris of good form and texture. 25c; 3 for 60c.
- ★**War Eagle.** 40 in. S. light red-purple; F. red-purple with black shadings. Very large blooms, 7 inches in height. In effect, a rich, glowing deep red. Profuse bloomer. 25c; 3 for 50c.

Standard Varieties

We have a large collection of these in named varieties in all colors. List of varieties mailed on request. Price, 20c; 3 of one kind for 30c; 12 of one kind for \$1.00.

Surprise Iris Collection. Ten beautiful varieties (which includes the giant white Selene) in a rainbow of colors, our selection (value \$2.00) labeled for only \$1.00. (Postage 15c additional).

FALL BLOOMING IRISES

These varieties bloom in the Spring with the Early flowering varieties and have a habit of blooming again in the Autumn.

- ★**Autumn King.** 30 in. A blue-purple bicolor of fine size. 25c; 3 for 50c.
- ★**Eleanor Roosevelt.** 28 in. An outstanding variety of very fine deep velvety purple. 25c; 3 for 60c.
- Southland.** 28 in. Clear deep chrome yellow of large size and heavy substance. Lovingly planted with Eleanor Roosevelt. 25c; 3 for 60c.

SIBERIAN IRISES

Price, except where noted, 25c; 3 of one kind, 40c; 12 of one kind, \$1.25.

- Butterfly.** 36 in. Lovely porcelain blue flowers; vigorous grower.
- ★**Emperor.** 48 in. Large flowers of a deep, rich violet-blue. Very fine.
- Orientalis.** 24 in. Rich purple. Fine for naturalized plantings. 3 for 30c.
- ★**Perry's Blue.** 48 in. Large, flowers of a beautiful shade of sky-blue.

DWARF IRISES

Dwarf varieties, growing from 6 to 8 inches high, that bloom two weeks in advance of the tall bearded Iris. Suitable for rock gardens or borders.

Price, except where noted, 25c each; 3 of one kind for 40c.

- Dixmude.** S. aniline blue; F. rich crimson-purple. 20c; 3 for 30c.
- Orange Queen.** Clear yellow, orange beard.
- Spring Skies.** Lovely light blue, the shade of the Belladonna Larkspur.
- Special Offer No. 19-B** 12 Dwarf Irises, 6 Orange Queen and 3 Spring Skies (value \$1.40) for \$1.00. (Postage 10c additional).

JAPANESE IRISES (Kaempferi)

The last of the Iris species to bloom and the most beautiful, their remarkable flowers, generally rather flat and wide, appearing in June and July. Plant in a sunny moist location, but not where water will stand. Price, except where noted, each 40c; 3 of one kind for \$1.00.

- ★**Gold Bound.** Double. White with gold-banded center. Earliest to bloom.
- Kumochi-Guma.** A very full double of dark purplish indigo. Mid-season.
- ★**Mahogany.** Large double flowers of velvety-mahogany red. Late.
- ★**Momigi-No-Taki.** (Maple Waterfall). Bright rosy crimson feathered in white. Double. 50c; 3 for \$1.25.
- ★**Purple and Gold.** An enormous double of rich violet-purple with gold center.
- Seacrest.** Six large wavy white petals with a deep blue haft.

Special Offer No. 19-C. One each of above 6 named Japanese Irises (Value \$2.50) for \$1.75. (Postage 15c additional.)

De Luxe Iris Collection. One each of Copper Lustre, Junaluska, Black Wings, Marquita, Missouri, Naranja, Sierra Blue, and Snowking, (value \$4.25) for \$2.95. (Postage 15c additional.)

Newest Improved Sprays and Dusts

Add Postage According to Weight and Zone (Page 4).

Shipping weights, pint, 2 lbs.; qt., 3 lbs.; gal., 10 lbs.

- ACME COPPER QUEEN.** A strong liquid copper spray for control of mildew, leaf spot, and black spot on roses, flowers, and plants. Price, 8-oz. can, 35c; pt., 60c; qt., 95c; gal., \$2.25.
- ACME COPPER SHIELD PRUNING PAINT.** Prepared liquid paint containing copper, for treating wounds to prevent hard rot fungus and other fungi. Pt., 40c; qt., 70c; gal., \$2.25.
- ACME DAWG-GONE.** Keep dogs away from Evergreen. Remove cap and hang tube of Dawg-Gone (opening down) in the lower branches of trees at the points of approach. The odor slowly emanating from the open tube will keep dogs at a distance from six months to a year, winter or summer. Tubes, 25c each or 6 for \$1.25.
- ACME GARDEN GUARD.** A strong, safe rotenone dust in 1-lb. shaker top cans. Each, 35c; postpaid, 45c.
- ACME SCIENTIFIC ROSE SPRAY.** Consists of three elements A, B, C, for complete protection from sucking and chewing insects, black spot and other fungus diseases. The number indicates number of gallons of spray each set will make. Price, No. 3 set, 95c; No. 6 set, \$1.50; No. 24 set, \$4.00; No. 48 set, \$6.00; No. 96 set, \$9.75.
- ACME STOP.** A tree-banding compound which prevents insects from crawling up trees. 6-oz. can, 35c; 1 lb., 65c; 5 lbs., \$3.00.
- FORMACIDE FORMALDEHYDE DUST.** Control "damping off" of flower and vegetable seedlings. Price, 1 lb., 85c; 5 lbs., \$2.50; 25 lbs., \$10.00; 50 lbs., \$17.50.
- ANTROL.** Sets containing 4 jars and 4-oz. bottle of syrup, price, 60c; extra jars each, 10c. 4-oz. bottle syrup, 25c. Pint bottle of syrup, 50c; gal., \$2.75.
- ANTROL ANT POWDER.** Kills ants, roaches, silverfish and other pests. Packed in handy shaker twist-top can. 4½-oz. can, 25c.
- ANTROL ANT TRAPS.** Kill both sweet and grease eating ants. Each, 10c; 6 for 50c.
- ANTROL READY FILLED SETS.** Consisting of four patented glass "feeders" filled with regular antrol syrup, price per set, 40c.
- ANT EXTERMINATOR.** Non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. (We do not send this outside of States of Illinois and New York.) Per box, 40c; smaller size, 25c; by mail, 5c extra.
- APEX ANT KILLER.** Thallium sulphate kills ants in their nests. Each, 25c; 5 for \$1.00.
- APHIS SPRAY.** Improved Nicotine Spray. Combining a soft fish-oil soap with black leaf 40. Price per 3-oz. tube, 35c; 12-oz. tube, \$1.00.
- APHINE.** pt., 75c; 1 qt., \$1.10; 1 gal., \$3.00.
- ARSENATE OF LEAD (Dry).** For dusting and spraying. Solves the problem of controlling practically all leaf-eating insects in an efficient manner. 1 lb. carton, 35c; 4 lbs., 95c; case of 24 lbs., \$4.85; 100 lbs., \$16.00.
- BLACK ARROW DUST.** A non-poisonous pyrethrum dust, effective against many insects. Price, 1 lb., 60c; 10 lbs., \$4.75; 100 lbs., \$35.00.
- BLACK LEAF 40** is a solution of Nicotine Sulphate. It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully: 1-oz. bottle, 35c; 5-oz. can, \$1.00, makes 40 to 100 gallons; 1-lb. bottle, \$2.25, makes 40 to 200 gallons; 2-lb. can, \$3.25, makes 200 to 500 gallons; 5-lb. can, \$5.85, makes 400 to 1000 gallons; 10-lb. can, \$10.90, makes 840 to 2100 gallons.
- BORDEAUX MIXTURE (Dry).** The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid, lb., 35c; 4 lbs., 95c; case of 24 lbs., \$4.85.
- BUG GUN.** A practical self-dusting package, consisting of Rotenone, all ready to use. Complete with dust, each, 35c, postpaid, 50c.
- CALCIUM ARSENATE (Dry).** Lb., 35c; 4 lbs., 85c.
- CARBON DISULPHIDE.** For ants and cut worms. (By express only.) 1 lb., 60c; ¼ lb., 30c.
- CORROSIVE SUBLIMATE. U.S.P. powder.** Write for price.
- CUPROCID.** Use for dusting seeds to insure germination, and prevent damping off. May be used as a spray for mildew, etc. 1 lb., 95c; 5 lbs., \$4.25.
- CYANOGAS A. DUST.** Kills ants, moles, mice, rats, groundhogs and prairie dogs. (By express only.) 4-oz. tin, 30c; ¼ lb., 45c; 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$30.00.
- CYANOGAS CALCIUM CYANIDE "G."** Greenhouse fumigant. For aphid, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$30.00. (By express only.) Write for leaflet.
- DENDROL.** A dormant spray oil. Gal., \$1.25; 5-gal. drum, \$5.00; 15-gal. drum, \$9.00.
- DERRISOL.** Is an odorless, non-poisonous liquid which will control sucking insects like aphid, thrips, leaf hoppers and red spiders, also controls currant worms and other leaf-eating larvae. 2-lb. can \$3.25; 10 lbs., \$13.50.
- DOG-SHOOT.** Keeps dogs and cats away from evergreens, shrubs, posts, walls or any place where they are not wanted. Leaves an odor scarcely noticeable by humans but very offensive to animals. Qt., 85c; gal., \$1.95.
- DOGZOFF.** Breaks dogs of bad habits. Spray underneath your evergreens, and guard them completely against the depredation of dogs. Non-poisonous. Per bottle, 60c; by mail, 70c.
- DRY LIME SULPHUR.** For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Lb., 35c; 5 lbs., \$1.50; 25 lbs., \$4.50; 100 lbs., \$12.50.
- FISH-OIL SOAP.** Standard wash for trees and plants where insects and eggs affect the bark. Lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.50.
- FLOWERS OF SULPHUR.** For dusting. Lb., 15c; 10 lbs., \$1.00; 50 lbs., \$3.00; 100 lbs., \$5.50.
- FUNGINE.** New remedy for mildew, rust and other fungus diseases; for greenhouse and outdoor use. Pt., 65c; qt., \$1.10; gal., \$3.00.
- FUNGITROGEN.** A preventive and remedy for mildew, black spot, and many fungus diseases of roses and other plants. ½ pt., 75c; pt., \$1.25; qt., \$2.00; gal., \$6.00.
- GRAPE AND ROSE DUST.** Excellent for the prevention and destruction of mildew on plants. Lb., 35c; 5 lbs., \$1.25; 25 lbs., \$6.25.
- HELLEBORE POWDERED, White.** Less poisonous than Paris Green and safer to use when fruit and vegetables are nearly ripe. Per ¼ lb., 25c; ½ lb., 40c, lb., 65c; 5 lbs., \$2.50; 10 lbs., \$4.50.
- LEMION OIL.** Destroys mealy bug, scale, red spider. ½ pt., 35c; pt., 60c; qt., \$1.00; ½ gal., \$1.75; gal., \$3.00; 5 gals., \$12.00.
- LETHANE 440.** A very effective insecticide for controlling red spider and mealy bug. qt., \$2.25; gal., \$7.00.
- LETHANE SPREADER.** Qt., \$100; gal., \$2.25.
- LIME SULPHUR.** (Solution.) The best remedy for San Jose scale. One gallon makes twelve. Per qt. can, 50c; 1 gal., \$1.35; 5-gal. can, \$4.50. Write for prices in barrel lots.
- LUCKY STRIKE ROSE KIT.**
Kit No. 1 makes 24 qts., price \$1.00.
Kit No. 2 makes 96 qts., price \$2.00.
Kit No. 3 makes 192 qts., price \$3.50.
- MAGNETIC SPRAY Wettable Sulphur.** Can be used as a combination spray with other insecticides. Price 4-lb. bag, 60c; 24 lbs. for \$2.75.
- NAPTOSENE.** New plant and bulb fumigant; effective against thrips, wood-lice, sow bugs, wire worms, etc. 1 lb., 50c; 5 lbs., \$1.40; 25 lbs., \$6.10; 50 lbs., \$11.75; 100 lbs., \$22.00.
- NEW EVERGREEN SPRAY.** Non-poisonous insecticide. No spreader required; retains its strength. Oz. bottle, 35c; 6-oz. bottle, \$1.00; 16-oz. bottle, \$2.40; gal., \$12.20.
- NICO-FUME POWDER FUMIGATOR.** Lights quickly, burns evenly and will not go out. No waste; every particle is consumed. It retains its strength indefinitely. 5-lb. tin, \$4.00; 10-lb. tin, \$7.00.
- NICO-FUME POWDER PRESSURE FUMIGATOR.** Is now burned under pressure in the can in which it is packed. ½-lb. can, 60c; doz., \$6.00; 1-lb. can, \$1.00; doz., \$9.00.
- NICO-FUME LIQUID.** For fumigating or spraying; contains 40 per cent nicotine. 1 lb., \$2.50; 4 lbs., \$6.50; 8 lbs., \$12.00.
- NICOTINE PYROX.** For chewing and sucking insects. 17.6 oz. jar, 60c; 5 lbs., \$2.00.
- NIKOTEEN.** 30% grade. For spraying and fumigating. Oz. bottle, 35c; ½ pt., \$1.00; pt., \$1.75; 3 pts., \$5.00; original case 10 pts., \$16.00. 40% grade, 4 lbs., \$7.00; 8 lbs., \$12.00.
- NOMOLE.** The modern, easy, inexpensive way to destroy moles. They cannot resist the pleasing taste; they devour it and are quickly and surely destroyed. Price, 14-oz. box, \$1.25; 28-oz. box, \$2.25; 9-lb. can, \$9.00.
- PARIS GREEN.** A poisonous insecticide in powder form; for insects which chew. ¼ lb., 20c; per lb., 55c; 5 lbs., \$2.50; 14 lbs., \$6.00.
- PENETROL.** An activator for nicotine spraying solutions. Qt., 85c; gal., \$2.00; 5 gals., \$7.50.
- PINE TAR.** For tree surgery. Stops bleeding of the bark. Pint, 40c; qt., 75c; gal., \$1.75.
- POMO GREEN.** Without nicotine. The new green fungicide for roses and other flowers and ornamentals; will control black spot, mildew and chewing insects. Lb., 50c; 5 lbs., \$1.75; 25 lbs., \$8.00.
- POMO GREEN.** With nicotine. Lb., 75c; 5 lbs., \$3.00.
- PYRETHRUM POWDER.** Lb., 85c; 5 lbs., \$3.75; 10 lbs., \$6.75.
- PYROTE.** A combination spray consisting of Rotenone and Pyrethrum. Oz., 35c; 5 oz., \$1.00; pt., \$2.50; gal., \$15.00.
- PYROX.** Kills all leaf-eating insects, destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage. Price, 25 lbs., \$5.75; 50 lbs., \$8.35.
- RED ARROW Garden Spray Pyrethrum Rotenone.** Non-poisonous, kills by contact, will not burn or stain tenderest foliage, ounce will make 4 to 8 gals. spraying solution. Oz., 35c; 4 oz., \$1; pt., \$2.85; qt., \$5.40; gal., \$15.00.
- ROTECID.** Contact and stomach poison. Kills mites, mealy bug, beetles, thrips, aphid, etc. Oz., 35c; ½ pt., \$1.00; pt., \$1.75; qt., \$3.00; gal., \$8.00.
- ROTOGREEN.** Very effective for thrip, red spider and mealy bug in addition to the more easily controlled pests. Does not burn and leaves no poisonous residue. Pt., \$2.00; qt., \$3.50; gal., \$12.00.
- SCALECIDE.** A complete dormant spray for fruit trees, shade trees and ornamentals. Controls scale and invigorates growth. Use 1 gal. to 15 gals. water. Qt., 75c; gal., \$1.75; 5 gals., \$6.35; 10 gals., \$10.90. Write for price in barrel lots.
- SELOCIDE.** Kills red spiders. Price, gal., \$4.00; 5 gals., \$16.75.
- SEMESAN.** The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings, Gladioli, and disinfection of seed bed soil. Prices, ½ oz., 10c; 2 oz., 40c; 1 lb., \$2.50; 5 lbs., \$11.40; 25 lbs., \$52.50; 100 lbs., \$198.00. Write for leaflets, stating for what purpose desired.
- Write for leaflets on Semesan, Semesan Jr., Semesan Bel. and Ceresans.
- SLUG SHOT, Hammond's.** Guaranteed to destroy potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms. Price, 1 lb., 25c; 5-lb. tin, \$1.00; 25-lb. bag, \$4.75; per keg, 125 lbs., \$17.50; barrel, 250 lbs., in bulk, \$33.00.
- SNAROL.** An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. Price, 1 lb., 25c; 6 lbs., \$1.00; 10 lbs., \$1.50; 50 lbs., \$6.50.
- STANLEY'S CROW REPELLENT.** Protects seed corn from damage by crows, moles, squirrels, etc. ½ pt., 60c; pint, \$1.00; qt., \$1.75.
- SULFOCIDE.** A concentrated sulphur fungicide for fruits, vegetables and flowers. Qt., \$1.00; gal., \$2.50.
- SULPHATE OF IRON.** A remedy for weeds on lawns, kills dandelions without injuring grass. Apply liquid with a fine spray. Particulars on application. 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.95.
- SULPHUR Special grade for dusting.** 2-lb. shaker top can, 35c.
- SULROTE.** A non-poisonous Rotenone-Sulphur dusting mixture for flowers and vegetables; a combined insecticide and fungicide controls bean beetles, worms, black spot, and mildew. Price, 1 lb., 45c; 5 lbs., \$1.35; 25 lbs., \$5.50.
- TARTAR EMETIC.** The new recommended spray for control of gladiolus thrip. Price, ¼ lb., 35c; ½ lb., 60c; lb., \$1.00.
- THRIP JUICE NO. 2.** Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Pt., 90c; qt., \$1.50; gal., \$5.50.
- TOBACCO DUST (Regular Grade).** 5 lbs., 50c; 10 lbs., 85c; 100 lbs., \$4.50.
- TOBACCO STEMS.** 100 lbs., \$2.75; 500 lbs., \$10.50; 1,000 lbs., \$20.00.
- TREE TANGLEFOOT.** Perfect safeguard for trees. 6 oz., 45c; lb., 80c; 5 lbs., \$3.75; 10 lbs., \$7.00; 25 lbs., \$15.00.

TRIO-GEN. Combined spray treatment fungicide-insecticide and plant stimulant. A complete protection against plant insects and diseases. A, small kit, makes 16 qts., \$1.50; B, medium kit, makes 64 qts., \$4.00; C, large kit, makes 32 gals., \$6.00; D, estate kit, makes 128 gals., \$20.00.

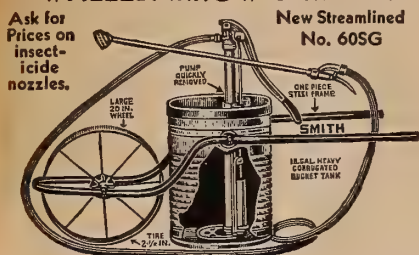
VERMINE. For eel, cut worms and wire worms, working in the soil. Can be applied to all vegetation. ½ pt., 45c; pt., 75c; qt., \$1.10; gal., \$3.00.

VOLCK. The Scientific Insecticide for nursery, greenhouse and garden. Controls scale, insects, mealy bug, white flies, red spiders, rust mites, aphid and thrips. ½ pt., 35c; qt., 75c; gal., \$2.25; 5 gals., \$9.00.

WILSON'S O. K. PLANT SPRAY. A powerful yet harmless and efficient insecticide, for aphid, red spider, mildew, scale, etc. Price, ½ pt., 40c; qt., \$1.00; gal., \$3.00; 5 gals., \$12.00.

Sprayers and Dusters for Insecticides

WHEELBARROW SPRAYER



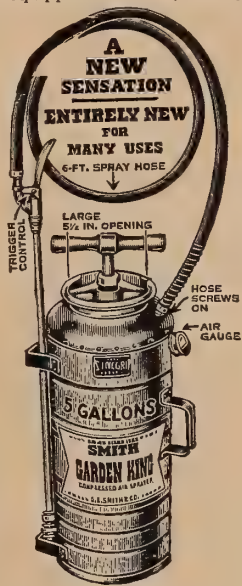
Goes anywhere like a wheelbarrow, through narrow openings. For spray solutions, disinfectants or white-wash. With extra long handle and large air chamber, develops 250 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 18 gals. Fully equipped with hose, nozzle, fittings, steel extension, etc. Price, \$27.50; with Silvertown 16x4 inch pneumatic tire \$36.00. Shipping weight, 80 lbs.

No. 60 S.P.G. Same as above, but with pressure tank and gauge and iron wheel. Price, \$41.50.

No. 60 B.P.G. Same as above, with pressure tank and gauge equipped with balloon pneumatic tire. Price, \$49.00.

THE GARDEN KING SPRAYER

Entirely new, 5 gal. capacity, with 6 ft. of spray hose and 2 ft. of tension rod, making a total of 8 ft. which permits the user to carry the tank about from one spraying job to another and to set it down on the ground and go about his spraying job without carrying the weight of the sprayer and spray material. Price, each, galvanized, \$10.95.



BAMBOO EXTENSION ROD



Brass lined. Eight feet long, with stop cock and brass drip shield. Each, \$4.95.

Garden Hose Sprayer

WITH CRYSTAL CLEAR CARTRIDGE CHAMBER



A special mixing and spraying nozzle which attaches to your garden hose. Insert insecticide cartridge and spray—as easy as watering your lawn. Brass finish, each, \$2.75. Combination set, sprayer and six cartridges, your selection, chrome finish, each, \$5.50.

36 inch extension, straight or angle, chrome finish, \$1.75.

We can supply a complete line of cartridges, Rotenone, Nicotine, Pyrethrum, Sulphur, Bordo or Arsenate of Lead. Price, each, 35c; three for \$1.00; doz., \$3.60.

DOBBIN'S BIGHEAD SPRAYER



5 1/2" diameter opening. Easy to fill, drain and clean. Positive quick sealing device. Equipped with patented self-lubricating pressure seal valve plunger. More air per stroke. Brass shut-off with trigger quick spray lock. Universal nozzle, sprays at any angle. Will handle all spray solutions. 4 gallon capacity.

No. 44G Galvanized tank. Each \$7.20.

No. 44B Copper tank. Each 14.85.

BLIZZARD COPPER CONTINUOUS SPRAYER

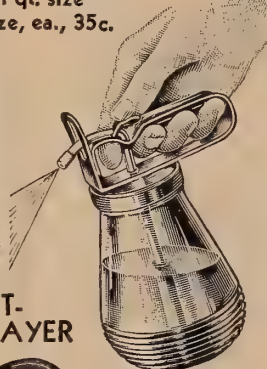


Very durable, seamless brass pump, solid copper quart tank with adjustable nozzle for straight and underleaf spraying. Each, \$2.50.



MIST MAKER

For spraying plants, clothes, moth liquids, etc. Jar made of sturdy glass cap, 11 oz. Metal parts are of brass except handle and plunger tab which are of steel, all being heavily nickel plated. Stands 7 inches high. Price each, 60c.



SMITH'S LIGHTNING SPRAYER

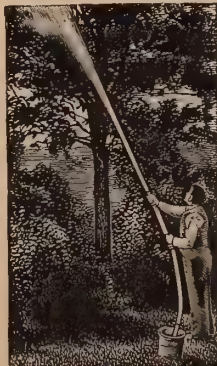


A durable, low priced sprayer, has a funnel top, made of heavy steel or solid brass tank as illustrated. 3 1/2 gallon capacity.

Price, galvanized, \$4.95; brass, \$10.50.

New Model C. C. C. Spray Pump

Sprays tall trees, disinfectants, whitewash and cold water paints, in barns, stables, poultry houses. Equipped with adjustable nozzle which sprays three ways. Price, \$7.95.

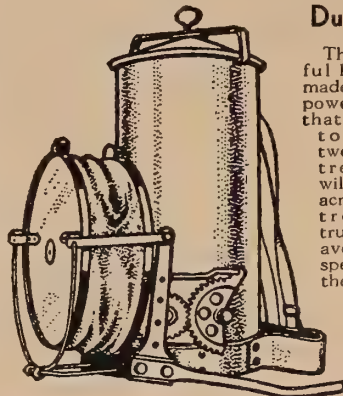


Write for Price on Power Sprayers.

Dusters and Blowers

The American Beauty

Dust Sprayer



The most powerful hand duster made. Has a large, powerful bellows that throws dust to the top of twenty-five foot trees. A man will average eight acres per day on trees. Dusts truck crops at an average walking speed, and dusts the under side of leaves. Has a spiral agitator that crushes and grinds the dust and feeds directly into the moving air blast; does not choke or clog. Has an efficient regulator for discharge control. It is considered the standard of efficiency by all authorities. Price, \$25.00.

A fitting companion for the American Beauty Duster—each, \$22.50.

BLUE BEAUTY DUSTER

A fitting companion for the American Beauty Duster—each, \$22.50.

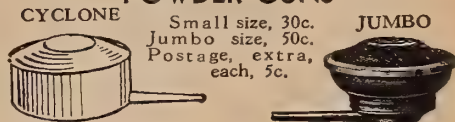
CALIFORNIA LITTLE BEAUTY DUSTER

For those growers operating two to three acres of vegetables, grapes or berries—price, each, \$10.00.

FEENEY MODEL B DUSTER

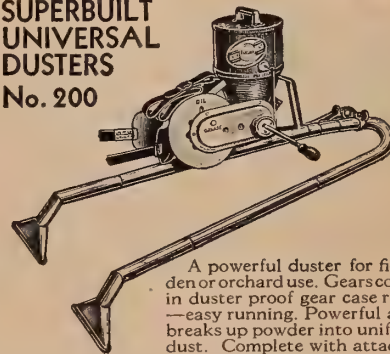
Splendid Hand Duster. Each, \$1.00. Postpaid, \$1.10.

POWDER GUNS



SUPERBUILT UNIVERSAL DUSTERS

No. 200



A powerful duster for field, garden or orchard use. Gears contained in duster proof gear case run in oil—easy running. Powerful air blast breaks up powder into uniform size dust. Complete with attachments for dusting one or two rows, including return bends which are adjustable for forward or rear dusting.

No. 200, capacity 5 to 10 pounds with return bends for dusting in rear of operator. Each \$14.35

No. 100, capacity 3 to 6 pounds, complete with attachments for forward dusting but no return bends furnished. Each \$11.95

DOBBIN'S IMPROVED HAND DUSTER



Recommended for applying Pyrethrum, Rotenone, Derris Root. A uniform discharge down to the last particle of dust. For all garden and field crops. Self-lubricating pressure seal valve plunger. Capacity, 1 lb., equipped with two-way dust cap. No. 132 Duster. Each \$1.35

Vaughan's High Grade Fertilizers

THERE are three chemical elements of plant food commonly used in fertilizers. They are nitrogen, phosphates and potash. A balanced fertilizer is one which contains all three, and gives a complete diet to the crop. And the composition of a balanced fertilizer is commonly expressed in a formula of three numbers with hyphens between, thus, 5-8-7. The first indicates the pro-

portion of nitrogen; the second, the proportion of phosphates; the third, the proportion of potash.

Fertilizer prices include delivery within 25 miles of Chicago on 25, 50, 100, 125, and 250 lb. lots. Smaller quantities delivered with orders of seeds, bulbs and supplies of \$2.00 or more. On larger quantities than 250 pounds, owing to close quantity prices, the customer pays all freight or express charges.

Hyponex Plant Food. Can be used in dry or liquid form; teaspoonful makes 1 gallon. Contains vitamin B₁. Analysis: 7 percent nitrogen; 6 percent phosphoric acid; nineteen percent potash. 3 oz. tin, 25c; 1 lb., \$1.00; 10 lbs., \$8.00; 25 lbs., \$15.00; 50 lbs., \$25.00; 100 lbs., \$40.00.

Vaughan's Lawn and Garden Plant Food (4-8-6). Four percent nitrogen; eight percent phosphoric acid; six percent potash.—It is clean, odorless; a well-balanced mixture; supplies eleven vital elements especially recommended for Lawns, Flowers and Vegetables.

For a new lawn, broadcast evenly 30 to 40 lbs. per 1,000 square feet. To stimulate an old lawn, apply 20 to 30 lbs. per 1,000 square feet, and during the growing season, wash it down immediately with the hose to prevent burning. For flowers and vegetables, use from 4 to 6 lbs. per 100 square feet.

Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.35; 50 lbs., \$2.25; 100 lbs., \$3.50; 500 lbs., \$13.75; 1,000 lbs., \$26.00; 2,000 lbs., \$49.00.

VAUGHAN'S BALANCED PLANT RATION (5-8-7) Five percent nitrogen; eight percent phosphoric acid; seven percent potash.—This is a balanced fertilizer, chiefly composed of organic matter (bone, blood and potash), which has been used for 50 years with excellent results by florists, truck gardeners and amateurs, and which we recommend as balanced fertilizer for all around use in the home garden.

For lawns, use 20 to 40 lbs. per 1,000 square feet; and for cultivated gardens, 4 to 6 lbs. per 100 square feet. As liquid manure, use 1 part to 30 parts of water.

Price, 5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$1.65; 50 lbs., \$2.75; 100 lbs., \$4.50; 500 lbs., \$21.00; 1,000 lbs., \$40.00; 2,000 lbs., \$78.00.

Adco Artificial Stable Manure. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. of Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. 7½ lb. bag, \$1.00; 25 lbs., \$2.50; 150 lbs., \$11.50. Write for booklet.

Aluminum Sulphate. For creating acid condition in the soil. 1 lb., 15c; 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 100 lbs., \$4.75.

Culturoid Plant Food. An organic fertilizer without an objectionable odor, analysis 5-10-5. 1 lb., 20c; 5 lbs., 60c; 25 lbs., \$1.75; 50 lbs., \$2.75.

Driconure Improved. Fertilizer with a peat-moss base impregnated with a high grade manure. Price, per 50 lb. bag, \$2.50; 5 bags for \$11.75; 10 bags for \$22.50.

Electra Fertilizer (4-9-3). A high organic all around plant food for feeding, forcing and finishing. The best substitute for Clay's fertilizer, formerly imported from England. 25 lbs., \$4.25; 50 lbs., \$6.50; 100 lbs., \$11.00.

Fertilizer Spreader, Model B, Vigoro. An inexpensive spreader, holds about 15 lbs. of fertilizer. Can also be used for sowing grass seed. Each, \$3.25. For Larger Spreaders See Page 110.

Floranid Urea. A highly concentrated inorganic fertilizer containing 46 percent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. Price, lb. can, 30c; 5 lbs., \$1.00; 25 lbs., \$3.00; 50 lbs., \$5.25, in original bags.

Fultron's Plantab. Odorless plant food in tablet form, supplies a completely balanced plant food including vitamin B-1. Per box of 30 tablets, 25c; box of 75 tablets, 50c; box of 200 tablets, \$1.00; postpaid.

Hardwood Ashes. Rich in potash and containing all of the fertilizing elements except nitrogen. Is used on the lawn at the rate of a ton or more per acre as a first application, an annual dressing of three hundred pounds afterwards.

Lime, Hydrated. A neutralizer for soil acidity. Price, 10 lbs., 35c; 50 lbs., \$1.25.

Leaf Mold. For correction of clayey and sandy soil conditions. Per bushel, \$1.25; per bag of two bushels, \$2.25.

Limestone, Pulverized. Is a neutralizer for soil acidity, also improves the texture of the soil and liberates nitrogen and other plant food and stimulates bacterial action. Apply after the land is plowed or dug for a crop, scattering with a lime distributor, 2 tons or more per acre, or by hand in small gardens—about a large handful to a square yard. Price, 100 lbs., \$1.45; 500 lbs., \$5.50; 1,000 lbs., \$8.00; 2,000 lbs., \$14.50.

Lime Phosphate, Ruhm's. Nature's source of phosphorus. The most phosphate at lowest unit cost. Price, 100 lbs., \$2.45; 500 lbs., \$9.00; 1,000 lbs., \$16.00; 2,000 lbs., \$29.00.

Liqua Vita. A liquid plant food contains all the necessary elements. ½ oz. will make 1 gal. of solution. Price, 12 oz., 50c; qt., \$1.00; gal., \$3.50.

Loma. Beautifies lawns and gardens, a scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in nitrates, phosphates and potash; contains no filler. Price, 1 lb., 10c; 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

Milorganite. Activated sludge fertilizer, free of weed seeds. Feeds over a long period. Price, 25 lbs., \$1.00; 50 lbs., \$1.65; 100 lbs., \$2.75; 500 lbs., \$12.00; 1,000 lbs., \$23.00; 2,000 lbs., \$42.00.

Mowrah Meal. A worm remover in powder form, easy to apply, acts as a fertilizer and its effects are lasting. 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.25.

VAUGHAN'S "ROSE GROWER" BONE MEAL This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen, 3¾ percent; total phosphoric acid, 22 percent. Price, 5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$1.65; 50 lbs., \$2.65; 100 lbs., \$4.50; 500 lbs., \$21.00; 1,000 lbs., \$39.00; 2,000 lbs., \$76.00.

STEAMED BONE MEAL. Price, 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.10; 500 lbs., \$18.50; 1,000 lbs., \$35.00; 2,000 lbs., \$69.00.

VAUGHAN'S SHEEP MANURE This is a pure, natural manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest liquid manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. Price, 5 lbs., 35c; 10 lbs., 65c; 25 lbs., \$1.25; 50 lbs., \$1.75; 100 lbs., \$2.35; 500 lbs., \$10.25; 1,000 lbs., \$18.00; 2,000 lbs., \$34.50.

Shredded Cattle Manure. Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. Price, 25 lbs., \$1.25; 50 lbs., \$1.85; 100 lbs., \$2.75; 500 lbs., \$11.25; 1,000 lbs., \$19.00; 2,000 lbs., \$36.00.

Muriate of Potash. Imported Potash, once again available, should be used liberally, especially for all root crops. Price, 25 lbs., \$1.50; 50 lbs., \$2.45; 100 lbs., \$3.85; 500 lbs., \$17.50.

Nitrate of Soda or Chili Saltpeter. 16% Nitrogen. For the home garden apply as a solution, one ounce to two gallons of water. 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.75; 500 lbs., \$17.50; 1,000 lbs., \$33.00. Write for prices on larger quantities.

Nitragin. The Original Legume Inoculation.

Culture A. For alfalfa, sweet clover, burr clover and hubam clover. ½ bu. size, 30c; 1 bu. size, 50c; 2½ bu. size, \$1.00.

Culture B. For clovers, medium and mammoth red, alsike, crimson and white. ½ bu. size, 30c; 1 bu. size, 50c; 2½ bu. size, \$1.00.

Culture C. For all vetches. Peas, Austrian, Canadian, golden and sweet peas, broad beans and lentils. ½ bu. size, 25c; 1 bu. size, 35c; 1½ bu. size, 50c; 12½ bu. size, \$3.50.

Culture D. For Beans. Spring, snap, wax, navy, kidney and scarlet runner. ½ bu. size, 25c; 1 bu. size, 35c; 1½ bu. size, 50c.

Culture E. For peanuts, cow peas, velvet beans and lima beans. Bu. size, 30c; 5 bu. size, 55c; 25 bu. size, \$2.50.

Culture L. For all Lespedeza, small size inoculates up to 50 lbs. Price, 35c; large size up to 100 lbs., price, 50c.

Culture S. For Soy Beans, all varieties, small size inoculates up to 120 lbs. seeds. 30c; 5-bushel size, 55c; 25 bushel size, \$2.50; 30 bushel size, \$3.25.

Garden Size. For garden peas, sweet peas, beans, lima beans and lupines. Pkt., 10c; three for 25c; each packet will treat up to 6 lbs. of seed.

Peat, Orchid. Very useful for orchids and azaleas. Price, \$3.75 per sack of about two bushels.

VAUGHAN'S PEAT MOSS

IMPORTED HORTICULTURAL GRANULATED

A moisture-retaining humus. An important aid in saving soil fertility, better than manure; prevents the formation of hard top crust and fungus growth. Home garden size bag, about 6 bushels when broken up finely, \$2.60; large bale of about 20 bushels, \$4.75.

Super Phosphate. Twenty percent available. Price, 25 lbs., \$1.15; 50 lbs., \$1.75; 100 lbs., \$2.75; 500 lbs., \$9.75; 1,000 lbs., \$18.00; 2,000 lbs., \$33.00.

Sulphate of Ammonia. Used for its nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. It tends to create an acid reaction in soil. Do not let it touch green growth. Use 1 pound to 50 square feet. Price, 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.75; 500 lbs., \$16.00.

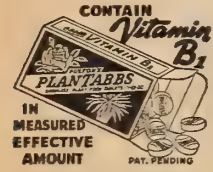
Vaughan's Special Tree Food. 10% nitrogen, 8% available phosphoric acid, 6% potash. Excellent for all types of shade trees and evergreens. For shade trees apply in holes drilled 16 inches deep and 2 feet apart under drip of outside branches at rate of ¾ pound for each foot in height of tree up to 50 lbs. per tree. For evergreens use ½ pound per foot in height of tree, and work into surface soil. Promotes heavier foliage, new growth; leaves come out earlier in spring, hang on later in fall and have better color. Price, 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.85; 500 lbs., \$17.50.

Vigoro. Complete Plant Food. Supplies in balanced form the eleven vital plant food elements for hardy, beautiful plants. Clean, odorless, sanitary, and easy to use. Vigoro has brought gardening success to millions of home owners everywhere. Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

Stim U Plant Tablets. For potted plants. Per pkg., 30c, postpaid; large pkg., 100 tablets, 75c, by mail, 85c.

Zoom B-1. The only liquid vitamin B-1 plant growth strength indefinitely. 2-oz. dropper top bottle, enough to make 250 gallons of solution. Price, \$1.00.

These Prices Are Subject to Change Without Notice.
NOTE: Cannot supply Scotch Soot and Clay's Fertilizer during present emergency.



Hormones and Test Kits



ROOTONE

A hormone powder easy to use, anyone can apply safely, no skill is needed to apply Rootone, no measurements, no vials, no elaborate charts to follow, just dip and plant. Price, 1/4 oz. pkg., 25c; 2 oz. jar, enough to treat 3,000 cuttings, \$1.00; 1 lb. jar will treat up to 30,000 cuttings, \$5.00.

Rootone No. 10 for rooting of Azaleas, and other woody cuttings. 2 oz. jar, \$2.00; 1 lb. can, \$10.00.

Write for leaflet; all postpaid.

FRUITONE

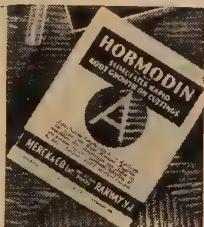
Hormone spray for preventing preharvest drop of apples. Holds apples on the tree longer. Fruitone sprays on flowers produce better set of seed and fruit, such as tomatoes, and beans. 2 oz. can, \$1.00, makes 25 gals. of spray; 12 oz. can, \$5.00, makes 150 gals. of spray.

TRANSPLANTONE

The most effective form of vitamin B₁, contains plant hormone, vitamins B and C and other growth substances. One level teaspoon makes 10 gallons of solution, water your plants with Transplantone to get better roots, more vigorous growth and quality flowers. 1/2 oz. pkt., 25c; 1 ounce can, 50c; 3 ounce can, \$1.00; 1 lb. can, \$4.00.

HORMODIN ROOT FORMING CHEMICAL

Hormodin is a hormone-like plant growth substance. Its principal use is to stimulate rapid root growth on cuttings. Makes it possible for growers to reproduce plants from cuttings with high percentages of successful results. Small size package, 50c. Medium size, \$1.00; 240 unit size, \$2.50; 480 unit size, \$4.50; 960 unit size, \$8.00.



HORMODIN POWDERS

POWDER NO. 1. Designed primarily for use on Carnations, Chrysanthemums, Poinsettias, Roses, and similar types. Many house, garden, and greenhouse plants are included in the complete list. Price, 1 1/4 oz. pkg., each, 50c; 1 lb., \$3.00.

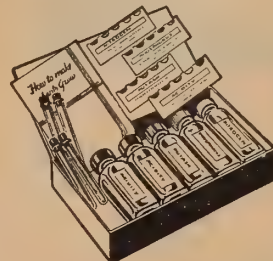
POWDER NO. 2. Designed for use on less sensitive species, which comprise many of the semi-woody types and many of the common shrubs. Price, 1 1/4 oz., 75c; 1 lb., \$4.50.

POWDER NO. 3. Designed for use with the more resistant species which comprise most of the evergreens and dormant leafless cuttings. Price, 1 oz., \$1.00; 1/2 lb., \$4.50.

The three Hormodin Powders are designed to cover the full propagating range with a one-dip treatment. Complete directions for each powder are included with the package.

Combination package of No. 1-2-3 in one carton, each, 75c.

THE SUDBURY HOME GARDENER'S SOIL TEST KIT



This simple, practical, easy-to-use kit is your best insurance of gardening success. Made by the maker of professional field test kits used by nurserymen, growers and greenkeepers throughout the country. Tests for nitrogen, phosphorus, potash and acidity. It will make at least three separate tests for each element. No technical skill required. Results of tests are apparent immediately. The Sudbury Home Gardener's Soil Test Kit, complete with instructions and data on plant needs, \$2.00.

Testing Fluid for Refill—Specify whether for nitrogen, phosphorus, potash, or acidity. 2 oz., 75c; 6 oz. \$1.50.

NEW CLUB MODEL KIT

An inexpensive kit for garden clubs, 4-H clubs, etc. A very good value for amateurs. Cased in attractive imitation leather, makes a wonderful gift. Each, \$4.75.

AUTOMATIC BIRD FEEDERS

(Patented)

An economical feeder for all kinds of seeds, cracked corn or other small food.

If filled with sunflower seeds, it unfailingly attracts Cardinals, rose-breasted Grosbeaks, Finches and many other large as well as small pretty birds all year around.

Birds enjoy swinging with the feeder. Each, \$1.75.



WREN HOUSE No. 16

This time tested stoptuk house is designed to meet the needs of birds, the steps help nestlings to reach the exit, bottom removable for cleaning. Price, stained brown, each, \$1.50; white and green, each, \$1.80.



Blue Bird House No. 5 similar to the above, stained brown, \$1.25.

MARTIN HOUSE No. X315

Twenty compartment house, two stories high, unpainted, \$12.00. Painted two coats in white and green, \$18.00.

Twenty-eight compartment house, three stories high, unpainted, \$15.00. Painted two coats white and green, \$21.00.



ROBIN ROOST No. 4

Robins will not occupy a nesting box, but insist on a covered sheltered shelf which allows them to see on at least three sides. Stained brown—each \$1.50; 3 for \$4.25.



Pots, Tubs and Boxes



POTS (Flower)

F. O. B. Chicago. Write for New York Prices.

RED CLAY POTS. We pack these carefully, but will not be responsible for breakage.

Doz.	100	1000	Doz.	100	Each
2 in.	\$0.35	\$1.45	6 in.	\$1.25	\$ 7.75
2 1/2 in.	.40	1.65	7 in.	1.65	11.75
3 in.	.50	2.50	8 in.	2.25	16.25
4 in.	.65	3.00	10 in.	.....	\$0.60
5 in.	.85	5.50	12 in.	.....	.85

GREEN NEPONSET PAPER POT. Especially adapted for growing.

Doz.	100	1000
2 1/2-inch	\$0.35	\$1.30
3-inch	.40	1.60
4-inch	.50	2.10
5-inch	.75	2.65

POTS (Azalea, Cyclamen or Fern). 1/4 size in height of standard flower pot.

Each	Doz.	Each	Doz.
6-in.	\$0.15	\$1.25	9-in.
7-in.	.20	1.65	10-in.
8-in.	.25	2.25	12-in.

BULB POTS. 1/2 size in height of standard flower pot.

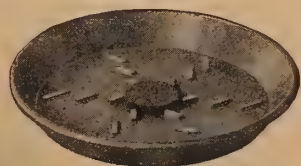
Each	Doz.	Each	Doz.
6-in.	\$0.15	\$1.25	8-in.
7-in.	.20	1.65	10-in.

SAUCERS—Green Rubber

Size A, 5-inch, takes up to 6-inch pot. Doz., \$2.15

Size B, 6 1/2-inch, takes up to 8-inch pot. Doz., \$3.50

Size C, 9 1/2-inch, takes up to 12-inch pot. Doz., \$7.20



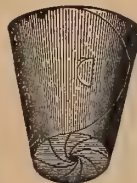
SAUCERS—Clay

Doz.	100	Doz.	100
5-inch	\$0.60	\$4.00	9-inch
6-inch	.85	6.00	10-inch
7-inch	1.10	7.50	12-inch
8-inch	1.45	9.50	

NEPONSET PAPER POTS (RED).

Made of water-proof paper, light, clean and unbreakable.

Doz.	100	1000
2 -in.	\$0.18	\$0.75
2 1/4 -in.	.20	.85
2 1/2 -in.	.23	1.00
3 -in.	.28	1.25
3 1/2 -in.	.35	1.45
4 -in.	.40	1.65
5 -in.	.45	2.35
6 -in.	.50	2.60



TUBS (Flower) Richmond.

These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. Painted green with durable oil paint. Prices F. O. B. Chicago or New York. If handles are required, add 45c per tub. First figure following number of tub gives diameter in inches at top of tub; second figure, depth in inches.



No.	Each	Four	No.	Each	Four
1.. 6x 6	\$0.85	\$3.20	9.. 14x13	\$2.35	\$9.20
3.. 8x 8	.95	3.60	11.. 16x15	2.75	10.60
5.. 10x 9	1.20	4.60	13.. 18x17	3.65	14.20
7.. 12x11	1.75	6.80	14.. 19x18	4.50	17.60

BOXES

BOXES—Cut Flower.—Vaughan's "Green" Grade, green lined, moisture-proof board. Very popular. Packed 25 complete boxes per bundle.

Size, inches	Weight per 100	Per 100	Size, inches	Weight Per 100	Per 100
3 x 21x5	45 lb.	\$9.75	3 1/2 x 30x5	75 lb.	\$13.00
3 1/2 x 24x5	60 lb.	11.75	4 x 24x8	85 lb.	15.50
5 x 42x8	170 lb.	26.50	5 x 28x8	105 lb.	18.00
5 x 36x8	135 lb.	25.00			

Chaperone Powder Dog Repellent

A new household dog repellent for keeping dogs off rugs and furniture. Odorless to humans and does not stain, but is very repulsive to dogs. 1/2 oz., tin, 25c; large size, \$1.00.

Chaperone Liquid Dog Repellent

For outdoor and garden use. Keeps dogs away longer from trees, shrubs and plants than most liquid repellents. 4 oz., bottle 50c; 12 oz., can, \$1.00.



PUSSY SCAT

Powder repellent for household use keeps cats away from furniture, curtains, drapes, clothing, etc. Trial size can, 25c; large size can, \$1.00. Postpaid, \$1.10.

STA-WAY LOTION

You don't need a secret weapon to cope with the insect pest nuisance. Just rub on "Sta-Way" Insect Repellent Lotion and mosquitoes won't bite you. Nor will black flies, house flies, sand flies, gnats, chiggers and similar pests. Hundreds of thousands of persons have tried it, camping, fishing, hunting, on the beach, wherever biting, stinging insects attack. They have found that it works. Contains no oil of Citronella or other less effective ingredients. It keeps insects away long after its odor disappears. It is pleasantly scented, greaseless, colorless. It is non-injurious to the skin, in fact, won't irritate the skin of the youngest infant.



Price, 35c per bottle.

To Protect Plants and Seedlings



HOTKAPS

These plant protectors mean larger, earlier, premium crops.

Protects plants from frost and other elements, matures crops earlier, keeps insects out, keeps soil soft. They are made of a specially prepared waxed paper and are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top. When placed over the plants and held firmly in place by the soil around them, Hotkaps become individual miniature hothouses.

Hotkap Setter. Will prove very helpful. This is a small steel cone, the exact shape of the Hotkap itself, with a handle at the top. The cost of the Hotkap setter is nominal and it can be used a lifetime.

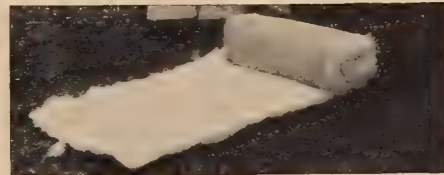
Prices: 1,000 lots, \$11.00; 5,000 lots, \$10.75 per M; 10,000 lots, \$10.50 per M; 250 Trial Package including Garden Setter with Tamper, \$4.25; 100 Home Package, including Garden Setter with Tamper, \$2.85; Germaco Hotkap Steel Setter with Tamper, \$1.60; postage extra. Wt.: 1,000 package HOTKAPS, 28 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.; Steel Hotkap Setter, 3 lbs.; Garden Setter alone, 50c.



HOTETS

Protect and force all varieties of plants where a large plant protector is needed. Made of a scientifically manufactured paper which is extra strong, 10 1/2 x 14 1/2

inches at the base, creating 152 1/2 square inches of protected ground, they are 8 1/2 inches high. Hotets are strong, being supported with two patented covered wire bows fastened to the under side and running parallel across the body. Packed 500 to a carton, and weigh 35 lbs. per carton. Price, per carton, \$7.65; per 100, \$2.10; setter, each, \$1.95



Glass Wool Mulch. Protection and perfect mulch for your prized Plants and Shrubs, has been proved superior to all other mulches for the winter protection of plants. A snowy white blanket composed of extremely fine glass fibres, put up in bats, 24" x 96" in size and are an approximate 1 1/2 inches thick at 1 1/2 lbs. per cubic foot density. Price, per bat, 95c; three for \$2.65; carton of 12, \$8.95.

"SAVO" SELF-WATERING FLOWER BOXES



Savo Self-Watering Flower Boxes—one of the best of this type of flower boxes. Made of the best grade of galvanized steel with neat round corners and a full roll rim—beautifully finished in aluminum or green.

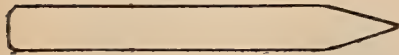
Model	Height	Width	Length	Price
Model A.	8 inches,	8 inches,	23 inches,	\$3.50
Model B.	8 inches,	9 1/2 inches,	29 inches,	4.00
Model C.	8 inches,	9 1/2 inches,	35 inches,	4.50
Model D.	8 inches,	9 1/2 inches,	41 inches,	5.00
Model E.	8 inches,	12 inches,	12 inches,	3.00
Model F.	12 inches,	12 inches,	12 inches,	3.50

SEED SOWER

Cyclone. (New Improved Model.) An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each, \$2.95.



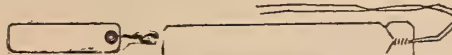
Labels for Plants and Trees



Wooden. For pots, painted.
 100 1000
 4-inch....\$0.45 \$2.25 6-inch..\$0.60 \$ 3.50
 5-inch.... .50 2.95 12-inch.. 1.60 12.95
Tree, Labels Wired. 3 1/2 in. 100, 60c; 1000, \$3.50.

LABELS. Zinc, Tree.
 Wired 3 3/4 inches long, 3/4 inch wide. Price per doz., 30c; 100, \$1.95.

Simplex Weatherproof Plant Labels. White celluloid with transparent cover of genuine mica, including copper wires for attaching. No. 1, 3 x 1 1/2 inches. Doz., 50c; 100, \$3.00.



Copper. Indestructible. Tree and shrubbery, copper wired. Small, 30c doz.; 100, \$1.95; large, 40c doz.; 100 for \$2.65.



Markers Oval Top for Rock Gardens, 4 inch, galv., doz., 85c; 100, \$4.95.

PLANT MARKERS Oval Top. Made of heavy galvanized sheeting 9 inches long. Price, per doz., 85c; per 100, \$4.95. Special black ink for marking labels, oz. bottle, 60c.

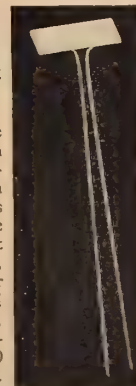
"GARDEN KING MARKER"
 Treated with a preservative that protects against decay.

Undercut groove contains white chemically treated waterproof name card, covered by a dirt-proof transparent window.

Just use ordinary pencil, and the name will remain for years.
 12-inch size, doz., 35c;
 3 doz., \$1.00.
 18-inch size, doz., 45c;
 3 doz., \$1.25.

NEW STEEL WHITE CAP GARDEN MARKER

The 9 inch double wire stickers are capped with a durable white zinc tablet 5/8 inch wide, 2 3/8 inch long. This name tablet is removable, either side may be written on; just bend the folded ends back, reverse and fold ends over securely. Lead pencil marks stay on for years, yet can be erased if desired. Price, doz., 60c; 30 for \$1.20; 100 for \$3.50. Extra tablets 60c per 100.

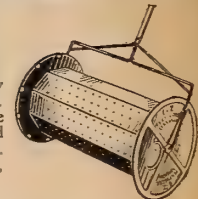


GARDEN KING TREE OR SHRUBS MARKER
 No. 4A

Waterproof and dirt proof, painted green so that it blends right in with foliage. Doz., 35c; per 100, \$2.00.

E. Z. FERTILIZER SPREADER

Fertilize your lawn, sow your seed the new E. Z. way. Simply fill container, guide like a vacuum cleaner and your lawn is covered quickly. Comes knocked down. Each, \$1.25.



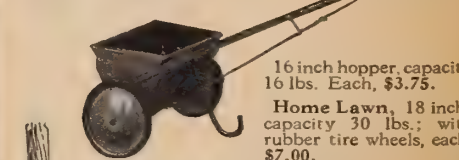
MASTERS' PERFECT FERTILIZER DISTRIBUTOR



Spreads any kind of commercial fertilizer, grass seed and top dressing. It has a shut-off control and adjusting device right on handle. 36-in. equipped with double disc wheels.

18-in., \$11.50; 24-in., \$14.50; 36-in., \$22.75.

JUNIOR LAWN SPREADER AND SEEDER



16 inch hopper, capacity 16 lbs. Each, \$3.75.

Home Lawn, 18 inch, capacity 30 lbs.; with rubber tire wheels, each, \$7.00.

ASBESTOS TORCH

Practical for burning caterpillars, worms and other tree pests. It is a black lined ball, filled with asbestos fibre, so constructed that it can easily be attached to any pole. Dip the torch in kerosene and light. Ea., 50c; 3 for \$1.35.



SIEVES. For sifting soil. 18 inches in diameter, all sizes mesh from 1/8 to 1/2 inch. Each, \$1.95.



No. 31 **SIMPLEX Green Weather-Proof Plant Labels.** Price includes copper wires for attaching and steel stylus for marking. No. 31, size 3 x 1 1/2 inch, per doz., 40c; per 100, \$2.50.



PERMA LABELS. Improved type, all one piece, all metal labels. Price, 100 for 95c; 500 for \$4.25; 1,000 for \$7.75.



USE A PENCIL - No fade-out of your markings.
 Beauty, Strength, Permanence. Made of metal; green baked enamel finish.



Slip-over fool-proof metal cap with non-shatterable transparent window.

Stake 7" long; ample white marking space 2 1/2" x 1 1/2".

12 markers..... \$1.00
 25 markers..... 2.00
 50 markers..... 3.75
 100 markers..... 7.00

Plant Stakes and Supports

BEST YET SUPPORT

PROTECTION FENCE RODS

Neat appearing, finished in green weather-resisting lacquer and enamel, it blends right in with the foliage. Indestructible, will last for years; made of tubular steel in 26 inch lengths, each having slip joint so that desired increased height can be quickly obtained merely by inserting one stake into another.

Size 1-A—26 inches long, 6½ inch dia. hoop. Doz., \$1.90.
 Size 1-B—26 inches long, 10½ inch dia. hoop. Doz., \$2.10.
 Size 1-C—26 inches long, 14½ inch dia. hoop. Doz., \$2.25.
 No. 1-S—Additional stakes 26 inches long, ½ inch thick to fit all size hoops. Doz., \$1.00.

Stiff strong green enameled rod, supports one or two rows of wire, heavy twine or clothes line. Very handy for circling trees and ornaments, to keep dogs at safe distance. Six for 60c; Doz., \$1.00.

Stakes—HEAVY TONKIN Natural Color. Heavy weight bamboo, entire stake same weight; do not taper. Ideal for roses, dahlias, young trees, etc. Will last a lifetime. F.O.B. N. Y. F.O.B. Chicago.

Length	Diameter	Doz.	100	Doz.	100
4 ft.... ½ to ¾ inch		\$1.40	\$7.50	\$1.50	\$8.50
4 ft.... ¾ to 1 inch		1.65	9.25	1.85	9.50
5 ft.... ½ to ¾ inch		2.00	10.25	2.25	11.00
6 ft.... ½ to ¾ inch		2.25	12.00	2.45	12.50
8 ft.... ½ to ¾ inch		2.50	13.50	2.75	14.50

STAKES, WOODEN. Painted green.

Heavy Grade (for Dahlias)	Per doz.	Per 100
3 ft.....	\$1.60	\$10.50
4 ft.....	1.95	13.50
5 ft.....	2.50	16.50
6 ft.....	2.95	20.50

Light Grade (for smaller plants)

Per doz.	100	Per doz.	100
1½ ft.... \$0.40	\$2.20	3½ ft.... \$1.25	\$ 8.75
2 ft.... .60	3.65	4 ft.... 1.60	10.50
2½ ft.... .95	4.95	5 ft.... 2.25	13.95
3 ft.... 1.10	6.95		

STAKES—JAPANESE BAMBOO Painted Green.

No. 9 Wire Doz.	100	No. 8 Wire Doz.	100
1½ ft.... \$1.25	\$5.00	3 ft.... \$1.75	\$ 9.50
2 ft.... 1.40	7.00	3½ ft.... 2.00	11.00
2½ ft.... 1.60	8.00	4 ft.... 2.25	12.50
		Japanese Bamboo not painted, 6 ft. 2.95	26.50

STAKES—Galvanized Wire.

No. 9 Wire Doz.	100	No. 8 Wire Doz.	100
1½ ft.... \$0.40	\$1.40	3½ ft.... \$0.75	\$2.85
2 ft.... .45	1.75	4 ft.... .85	3.25
2½ ft.... .50	2.25	5 ft.... 1.10	4.10
3 ft.... .60	2.60	6 ft.... 1.25	4.75

Prices wire stakes subject to change without notice.

National Eezy Wear Garden Gloves

Made of imported leather processed to make it pliable as kid and washable. An ideal glove for men and women gardeners. Will outwear six cotton gloves. Sizes for women: "Small," "Medium," "Large"—for men: "Medium" and "Large." Price, 75c a pair, postpaid.

FLORALIFE

Makes your cut flowers live longer. Pkt. to make 1 qt. solution, each 10c, three pkts. for 25c. Home size tin makes 30 qts., each \$1.00; 100 qt. size, each \$3.00. gift pkg., \$1.00.

Floralife
HELPS CUT FLOWERS LIVE LONGER!

- PROMOTES LIFE
- PREVENTS FADING
- PREVENTS WILTING
- MAINTAINS FRESHNESS

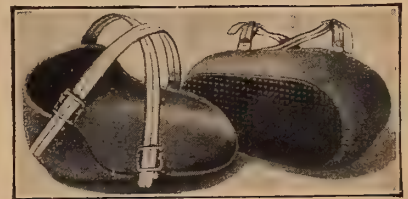
NO NEED TO CHANGE WATER OR TO RECUT STEMS

SAXOLIN DU- PLEX CRINKLED WATERPROOF TREE WRAP



For covering the trunks of transplanted and newly set fruit and shade trees. Helps your stock to get off to a healthy start. Rolls, 4 inch wide, about 155 ft. to a roll. Weight, about 2 ½ lbs. Ea., 75c; doz., \$7.20.

KNEE PADS



All rubber cushion pads constructed of solid and sponge rubber with adjustable straps; fit any knee, will not slip down when walking. Price, \$1.65; postpaid, \$1.75.

GARDEN LINE REEL. (Weight, 2 lbs.) Each, \$1.50.

GARDEN LINE. Each heavy braided. Per 96 feet, 95c; by mail, \$1.00.

GRAFTING WAX. Per ¼ lb. bar, 20c; ½ lb. bar, 35c; 1 lb. bar, 60c.

THERMOMETERS



Standard Grade Tested



Hotbed

THERMOMETERS, Tin Case. 8-in. 50c. Hotbed. Brass point, wooden frame, \$3.75.

Self-Registering. With magnet to set it, 8-inch, each, \$7.50; registers highest and lowest temperature.

Tin Case. Standard grade, tested. 8-inch, each, \$1.50.

White Porcelain Enameled with red spirit tube, easy to read. Each, 60c.

Thermometers shipped by parcel post at purchaser's risk only.

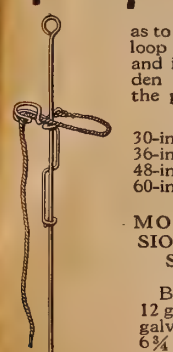
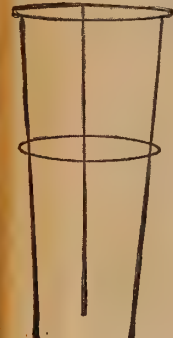
MOSS

MOSS, Sphagnum. Burlapped bales. Ea., \$2.25.

SHEET MOSS (Green). Freshly gathered; for windows, boxes, etc. Per sack, \$2.25.

ADJUSTO PLANT SUPPORT.

Has a unique self-locking adjustable feature causing the hoop to positively stay where put, yet it can be instantly adjusted to any height desired. The heavy green painted wood stake ¾ inch square will stand firmly in the ground. The hoop is of 8 gauge galvanized wire, 13 inches in diameter, and may be opened up to put around large plants. 3 ft., doz., \$2.75; 4 ft., doz., \$3.25; 5 ft., doz., \$3.60; extra wire hoops, doz., \$1.50.



VAUGHAN'S PEONY AND TOMATO SUPPORTS

Made of heavy galvanized wire, will not rust. Also an excellent support for Delphiniums and Larkspur. Diameter of ring 14 inches, height 30 inches. Price, per doz., \$3.25; 50 for \$11.50. 25c per doz. higher F. O. B. New York.

TIME SAVER PLANT SUPPORT

A long lived, low priced, completely adjustable support, all metal parts being galvanized. Java ends green. Can be adjusted as to height and size of loop almost instantly and is practically hidden by the foliage of the plant it supports.

Per doz. Per 100

30-inch ..	\$1.20	\$8.00
36-inch ..	1.50	10.50
48-inch ..	2.60	19.75
60-inch ..	3.25	24.50

MODEL EXTENSION CARNATION SUPPORTS

Bases or bottom circle made of No. 12 galvanized wire, top circle of No. 13 galvanized wire; diameter of top circle 6¾ inches, bottom circle 7½ inches; total height of support extended, 24 inches; shipping weight, two-ring supports, approximately 360 pounds per thousand; three-ring supports, approximately 410 pounds per thousand. Price, 2-ring supports, \$9.50 per 100; 3-ring supports, \$11.00 per 100. Write for price in large quantities.

"TWIST-EMS"

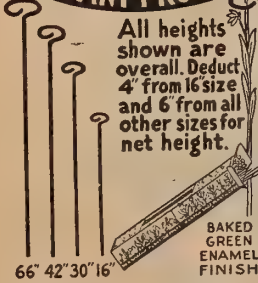
THE PERFECT PLANT TIES

For plants, shrubs, vines, vegetables and for arranging flowers. Just a simple twist of the wrist and the plant is tied. Price: per box of 125 16-in. ties, 50c; per box of 125 8-in. ties, 25c; per box of 250 4-inch ties, 25c.



Wire Plant Props

Help YOUR FLOWERS HOLD UP THEIR HEADS
 with PATENTED METAL PLANT PROPS



All heights shown are overall. Deduct 4" from 16" size and 6" from all other sizes for net height.

66" 42" 30" 16" BAKED GREEN ENAMEL FINISH

BASKET-MAKING MATERIALS

Add postage to your order if to go by mail. The Raffia which we import is the finest grade to be obtained. Besides the natural shade, we have it in 12 different colors: dark red, Irish-green, olive-green, pea-green, navy-blue, seal-brown, orange, black, old gold, pink, purple, and bright red.

Raffia Fibre for Baskets, Etc. 5-lb. Lots

Natural, Best Grade, about 2 oz.	\$0.20	\$0.95	\$0.90
Colored, about 1 oz.....	.20	1.30	1.25
Needles, for Raffia work, per package.....	.25		

Reeds White Prime the Best Quality

No. 1 to 7 are the common sizes, 6 and 7 being used for the coarser work.	5-lb. Lots	Per Lb.
No. 1.....	\$0.65	\$1.10
No. 2.....	.60	1.15
No. 3.....	.55	.95
No. 4.....	.50	.85
No. 5.....	.45	.75
No. 6.....	.40	.70
No. 7.....	.37	.70
Flat Reed, ¾-inch.....	.45	.80
Split Reed, No. 6.....	.45	.80

All numbers above, per bunch, 20c.

Garden Hose Sprinklers and Irrigators

GARDEN NON-KINKABLE HOSE



Best hose, finest quality of rubber. Will not kink and will last for years. We can supply any length, fitted with couplings. There is no economy in buying cheap hose. Price, full 3/4-inch, 50 feet, coupled, \$7.95; 100 feet, \$15.00.



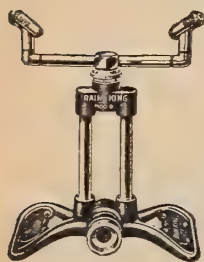
A Good Grade Garden Hose, 5/8-inch, fitted with 3/4-inch couplings. 50 feet length, \$3.75.

Ross Square Spray Heads for Scientific Sprinkling

It sprinkles a square, making it easy for you to install your own underground system, at a very low cost. Threaded for 1/2 inch pipe, capacity 3 1/4 gals. per minute. Has a slotted adjusting screw to control the area of the spray. No.

54A. Price, per doz., \$7.20.
64A. 1/2 or 3/4 circle heads. Doz., \$7.20.

Model D Rain King



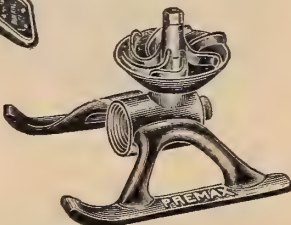
The latest Rain King, and world's greatest sprinkler value. Works on all water pressures or any spray. Sets quickly to turn fast or slow or for stationary sprinkling. Ea., \$3.00.

Model H Rain King

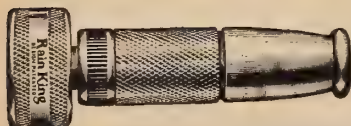
Similar in design to D Model, larger all brass parts, chrome plated. Each, \$4.50.

Premax Turbine Sprinkler

Throws a gentle rain in a 4 to 30 foot circle. Price, 75c, postpaid, 85c.



RAIN KING NOZZLE



Machined from solid brass; cannot tarnish or corrode. Each, 80c; postpaid, 85c.

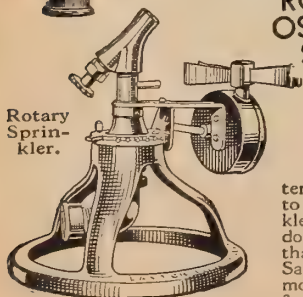
LINCOLN PARK OR BUTTERFLY

Cheapest and best sprinkler made. Each, 65c. Mounted on stand: 2-foot, \$1.75; 4-foot, \$2.00; 6-foot, \$2.35.



ROTARY and OSCILLATING SPRINKLER

Rotary Sprinkler.



This sprinkler is adjustable at will from bell-shaped spray to full stream, half or full circle, 15 to 80 feet diameter. It is a pleasure to watch this sprinkler in operation. It does the work better than a man can do it. Saves time, labor and money. Each, \$12.00; 3 for \$35.00.

ROSS PORTABLE SPRINKLER

Ross Portable Sprinkler System. A good substitute for an underground sprinkling system for the small lawn at a much lower cost. When used between lengths of hose of about 15 ft., three tees will cover about 675 sq. ft. of lawn and four tees will cover about 900 sq. ft. Each set consists of No. 30 adjustable tees and No. 58 square spray heads, with one No. 70 hose cap. Per set of three, \$4.05; weight, 2 lbs.; per set of four, \$5.35, weight, 2 1/2 lbs.



THE EVANSTON SPRINKLER



One of the best lawn sprinklers on the market; has no revolving parts to wear out and will not clog with sand or dirt. Gives an even distribution of water over a large area. Each, 80c; 3 for \$2.25.



Boston Rose Spray. Brass; for 3/4-inch hose; useful for watering lawn and garden. Each, \$1.60; by mail, \$1.65.



Justrite Hose Nozzle. For lawn and garden, can be changed from fine spray to stream. 3/4-inch, ea., 75c; by mail, 80c.



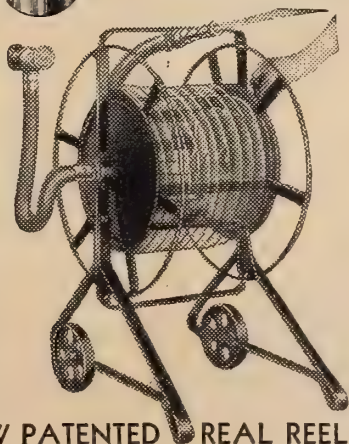
Ross No. 10 Hand Sprinkler. Preferred by nurserymen and home owners alike. Capacity 13 gallons per minute. Do not compare with cheaper imitations. Each, 90c.

Red Rubber Washers. 12 on clip. Per clip, 5c.



HOTHOUSE SPRINKLER

All brass, distributes water evenly; 3/4 inch connection; 3 inch face, each, 65c; 4 inch face, each, 80c.



NEW PATENTED REAL REEL

Water runs through the reeled up hose on reel; sprinkle without unreeling any more hose than you need. All steel and brass, capacity 125 ft. of 3/4 inch hose, 100 ft. of 1/2 inch hose. Frame made of 1"x3/4" steel. The patented flexible joint is solid brass and water-tight. Weight, 25 lbs. packed. Price, \$6.95.

BULL DOG CLINCHER COUPLER

3/4-inch, per pair, 40c; doz., \$4.40.

BULL DOG CLINCHER HOSE MENDER

A self fastening coupling that doesn't require extra bands, bolts or wires. It adjusts itself to any thickness of hose. 3/4-inch, each, 15c; doz., \$1.50.



SOIL SOAKER



Soil Soaker for deep soaking, the water method approved by agricultural colleges and nurseries now available for home use. Equipped with regular hose connection for attaching to hose or pipe. No. 0, 12 ft., Price, \$1.40; No. 1, 18 ft., \$1.90; No. 2, 30 ft., \$2.90; No. 3, 50 ft., \$4.75.

Vaughan's Subsurface Irrigator

For trees, shrubs and flowers, irrigates directly at the roots dissolving the plant food in the soil and making it readily absorbent. Standard model each, \$2.50.



NEW STREAMLINED HARCO SPRAYER



Get Penetrating Spray quickly, easily with this brand new, efficient, easy-to-use Harco sprayer. Harco, plus good liquid insecticide means quick, certain death to garden-blighting insects and destructive fungus pests. Harco's conveniently long extension rod sends a penetrating spray right where it is most needed for effective garden pest control. Each, \$2.35.

NEW SCIENTIFIC FERTIL SPRAY



Make fertilizing as easy as sprinkling your lawn. Fertilize through your hose. Mixes the right amount of ammonium sulphate, nitrate of soda, potash or any soluble fertilizer with the water with which you sprinkle your lawn.

One end screws into the faucet, the other end takes the hose, the small tube drops into the bucket of fertilizer. Made of solid brass. Price, \$1.50; postpaid, \$1.60.



WATER WAND

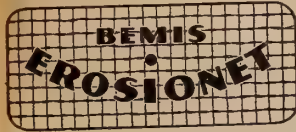
Watering shrubs, flowers and trees is a simple job with Water-wand; no danger of washing away the rich top soil. Each, \$2.50.

Owing to the fluctuations of the market, prices are subject to change without notice.

Lawn Making Equipment

USE EROSIONET

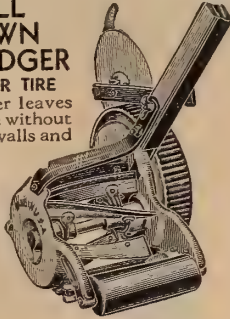
For New Lawns, Weak Lawns, and Stubborn Terraces



Made of strong open mesh fabric, will hold your seed and sod firmly in place, prevents washouts, does not present an unsightly appearance, grass and clover soon rendering it almost invisible. Can be removed when grass becomes 2 1/2 in. high. Width 45 inches. Price per yd., 12 1/2c; 25 yd. lots, 11 1/2c per yd.; 100 yd. lots, 10 1/2c per yd.; rolls of 250 yds., 9 1/2c per yd.

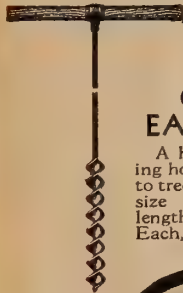
MASTERS BALL BEARING LAWN TRIMMER and EDGER WITH MOLDED RUBBER TIRE

Does what Lawn Mower leaves undone. Having one side without wheel, it can run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc. Price, each, \$8.95, with edger, \$9.65.



GREENLEE EARTH AUGER

A handy auger for drilling holes to feed plant food to trees and shrubs. 2-inch size with 6-inch twist; length 40 inches overall. Each, \$3.50.



Berghman Lawn Mower Sharpener. A high-grade, durable lawn mower sharpener, easy to use and adjustable to all types of machines. No danger of making low spots in the blades. Price, \$1.00.

LAWN EDGER. No. 2 Planet Jr. Grass Edger. A handy tool to keep your lawn edges well trimmed. Price, \$2.00.

SOD SPIKER

For cultivating the soil beneath the lawn to receive the needed soil foods, such as water, fertilizers, peat, sands, etc. Price, \$1.95.



Metal Lawn Signs

These attractive signs have raised letters, baked enamel finish for long attractive service. Have center holes for attaching to stakes. Size 3 3/4 x 12 inches. Colors, green on white and black on white. Sign wordings—Please-Seeded—Keep off Grass. Signs with stakes, each, 30c; six for \$1.50.

SHEARS

Border—English Imported. Long handle for trimming the edges of borders and walks. 9-inch, \$6.95.

Border—American made Disston quality, 9-inch, \$5.50.

Write for leaflets and prices on Motor Mowers.

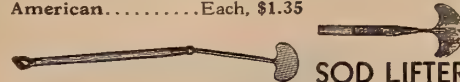
SCYTHE

English, Riveted Back, 30-inch, \$3.50. 36-inch, \$3.75. Scythe Snath, each, \$1.95. Scythe Stone. Natural, 35c each.



TURF EDGER

American.....Each, \$1.35



SOD LIFTER

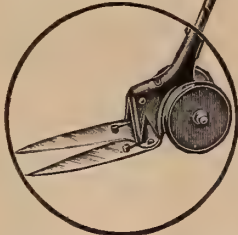
Polished steel blade, strap ferrule, D handle with ebonized wood grip. Length of handle, 2 3/4 feet. Length over all, 4 feet. Price, each, \$2.95.



Hole-in-One Planting Tools. Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil, leaving a perfectly flat-bottomed hole. Small hand tool for cultivated soil. Each, 65c; postpaid, 75c.

DOO-KLIP

Long handle grass shear; does perfect trimming. Has only one handle. No extra levers to operate. The



blades are made of case hardened, rust resisting steel. Easily opened for sharpening by removing one nut. Price, \$2.50.

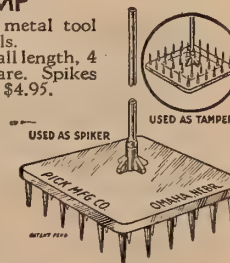
Vaughan Wiss-Klip Grass Shear. Same as above with short handle. Each, 85c. By mail, 95c.



WISS GRASS SHEARS. Finest quality with rubber grip. Each, \$1.45; postpaid, \$1.55.

SPIKE TAMP

An indestructible all metal tool made of quality materials. Weight, 13 lbs. Overall length, 4 feet. Plate 9 inches square. Spikes 1 3/4 inches long. Each, \$4.95.



EVEREADY SMUDGE STOVES

Will drive away mosquitoes, flies, and insects. Has a pleasant odor, lasts from 14 to 24 hours. Each, 35c; doz., \$3.60.

For ordinary grass and weeds, each part of Herbicide may be diluted with forty to fifty parts of water. One gallon will cover app. 2,500 sq. ft. Herbicide is a poison. Live stock should be kept off the treated ground until the dead leaves wither away. Qt., 75c; gal., \$2.00; 5 gals., \$7.50; 10 gals., \$12.50; 55 gals., \$44.00.

"HERBICIDE" THE WEED EXTERMINATOR



For Paths, Cobble Gutters, Drives, Tennis Courts, etc.



MEO-181. Destroy Dandelions, Crab grass, and other common weeds. Any spraying apparatus which spreads a fine atomized mist is suitable for applying MEO-181. Price, qt., 65c; gal., \$1.55; 5 gals., \$7.25.



ZOTOX CRAB GRASS KILLER

Kills both the plant and seeds of Crab Grass and checks reinfestation. It does not destroy lawn grasses and is non-injurious to soil. Simply mix with water and spray. The 8 oz. bottle (\$1.00 size) makes 5 gallons and treats 1,000 sq. ft. For "spot" treatment of small patches it goes much further. 8 oz. bottle, \$1.00; 16 oz. bottle, \$1.50; 32 oz. bottle, \$2.50; 5 lb. bottle, \$4.50.



WEED KILLER KIT

Killer Kemical kills Dandelions, Thistles, Plantain, Buckhorn and other common weeds. Does not sterilize the soil—Is not poisonous or inflammable—Does not stain walks or clothing—Does not corrode or rust metals.

Killer Kane insures easy and economical application—No stooping or back-breaking. Place Kane on crown of dandelion or weed and press handles lightly. A small amount of Kemical is released and does all the work. Children as well as grown-ups can operate effectively.



Killer Kits. No-stoop applicator. Killer Kemical enough to kill 1500 weeds. Price, complete, \$1.95. Killer Kemical, 1/2 gal., \$1.45; gal., \$2.35; 5 gals., \$9.85.

FLAME SHOOTER GUN

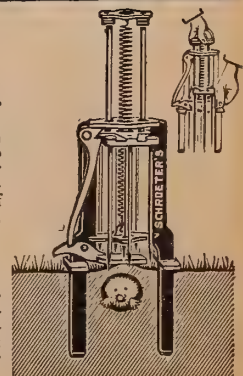
General utility torch indispensable on the farm, garden, barn, etc. handy for cleaning out irrigation ditches, removing weed and destroying insect pests. 4 gal. heavy all-welded (not riveted or soldered) corrugated fuel and air tank tested to 100 lbs.; burns kerosene, range oil, stove or light furnace oil. Price, complete, \$18.95 (weight 17 lbs.).



MOWRAH MEAL

—Worm Remover

A worm remover in powder form. Easy to apply; acts as a fertilizer and its effects are lasting. Apply at the rate of 15 lbs. per 1000 sq. ft. 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.25.



MOLE TRAP IMPROVED, with patented setting attachment. One of the best mole and gopher traps. Each, \$2.00.

Mole Trap

Miscellaneous Tools and Equipment



THE PORTER POINTCUT PRUNER

Designed for the fruit grower. Light in weight, 2½ lbs., 20 inches long. Easy to use in close places. \$5.50.



FORESTER PRUNERS

No. 1—20 inches long, designed for home use. Each, \$5.50. Weight, 2 lbs. 10 oz.
 No. 2—27 inches long, has a capacity up to 1½ inch. In green wood. Price, \$6.50. Weight, 4 lbs. 10 oz.
 No. 3—34 inches long, capable of cutting up to its rated capacity (up to 2 inches) in any so-called hard wood, such as oak, maple and beech. Weight, 7 lbs. 4 oz. Each, \$7.50.



BUCKEYE PRUNER

20 inch, each, \$2.25; 26 inch, \$2.75.



WISS High Power Pruner, No. 906B. Gun-metal finish, each, \$1.10; heavy duty, full polished, \$2.10.

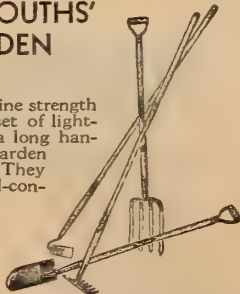
FORK. Lightweight Spading. True temper quality, handy for spading around shrubbery and perennials. Each, \$1.60.



SPADE. Razor Back. Rolled in backbone extending full length through blade frog and socket, each, \$1.75.
SHOVEL. Razor Back. Same construction as spade. Each, \$1.75.

LADIES' AND YOUTHS' SET OF GARDEN TOOLS

Well constructed; combine strength and light weight. This set of lightweight tools comprises a long handled hoe, a garden rake, garden spade and spading fork. They are all serviceable, well-constructed tools (not toys), handy for use in camp and home gardens. Price, per set, \$4.65.



HOE. English Scuffle or Push. 6-inch, \$1.35; 8-inch, \$1.60. Without handle.



Garden Gadget

Can be used as a transplanter for planting bulbs and small plants, also as two separate trowels. Each, 60c; postpaid, 70c.

Prices Subject to Change Without Notice.



7041—Trowel

Comfortable steel handle. Rigid, full size blade with sharpened cutting edges. Each, 30c.



7042—Short Handled Fork

Four long tines for digging around plants and shrubs. Each, 30c.



7043—Short Handled Cultivator

Five steel fingers to root out tough weeds. Corrugations increase strength. Each, 30c.

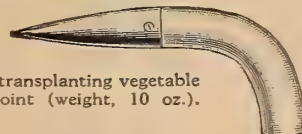


7044—Transplanter

Useful as lawn weeder as well as transplanter. Cutting edges sharpened. Each, 30c.

Garden Set of the above four illustrated hand tools. Per set of four tools, \$1.10; postpaid, \$1.25.

Same set as above, Chrome finish, per set, \$2.00; postpaid, \$2.15.



DIBBER. For transplanting vegetable plants; steel point (weight, 10 oz.). Each, 95c.

KNIVES

Budding. Aluminum handle. Each, \$2.50; by mail, \$2.60.

Budding and Prop. Two blades; white handle; brass caps. Each, \$1.75; by mail, \$1.85.

Propagating. "The Vaughan," best of all. Each, \$1.75; by mail, \$1.85.

Pruning. Stag handle. Each, \$2.25; by mail, \$2.50.

Potato Knife. "The Humphrey." Will cut to one or more eyes

without injuring the vital tissues. Each, postpaid, 35c; 3 for \$1.00.

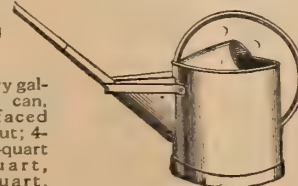


CARBORUNDUM BRAND. Home and garden sharpening stone. For sharpening knives, shears, edgers, etc. 10¼ inches long over all. Fitted with a durable wood handle finished in red. Each, 75c; by mail, 85c.

WATERING POTS

American. Heavy galvanized round can, two copper-faced roses, long spout; 4-quart, \$5.85; 6-quart, \$6.75; 8-quart, \$7.50; 10-quart, \$8.00; 12-qt., \$8.75.

French Style. Oval, otherwise same make as above, 6-quart, \$7.35; 8-quart, \$7.95; 10-quart, \$8.75; 12-quart, \$9.50.



Spout is cut off in illustration to reduce space.

O. K. ELECTRIC GRASS CUTTER

Trimmer and Edger

For formal gardens, terraces and small steep lawns. Completely finishes, no other implements needed. Will also trim hedge, cuts any way moved or held. Weight 5 lbs. A real implement—has a 9-inch revolving blade. Price, \$25.00.



O. K. ELECTRIC HEDGE TRIMMER

No gears, no bottom to choke up, does not disturb cut after made. It is a quality, practical trimmer. Home use, \$8.85. Heavy duty hedge trimmer has oilless bearings and more power than the Home Jr. Price, \$20.00.

GLAZING MATERIALS

MASTICA. For glazing greenhouses, hotbeds, sash, etc., better than putty; does not crack, always remains soft. Per gallon, \$2.95.

MASTICA MACHINE. For applying above. (Weight, 1½ lbs.) Each, \$3.35.

PUTTY. Twemlow's Old English. Semi-liquid. Same as Mastica. Per gallon, \$2.95.

PUTTY BULB Scollay's. Useful tool with a tube for applying liquid putty in glazing greenhouses. (Weight, ½ lb.) Each, \$1.75.

PUTTY KNIFE. Each, 35c.



Putty Bulb

SPRINKLERS, Scollay's Rubber.

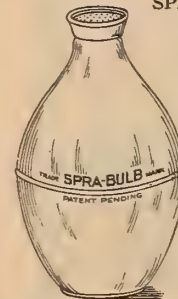
Best sprinkler for plants, ferns and flowers, holds 10 fluid ounces. Large, \$1.50. By mail, \$1.60.

Spra-Bulb.

An indispensable household help used in spraying in and outside the home, ideal for moistening laundry and spraying powder on plants and animals. Each, \$1.10.



Scollay's



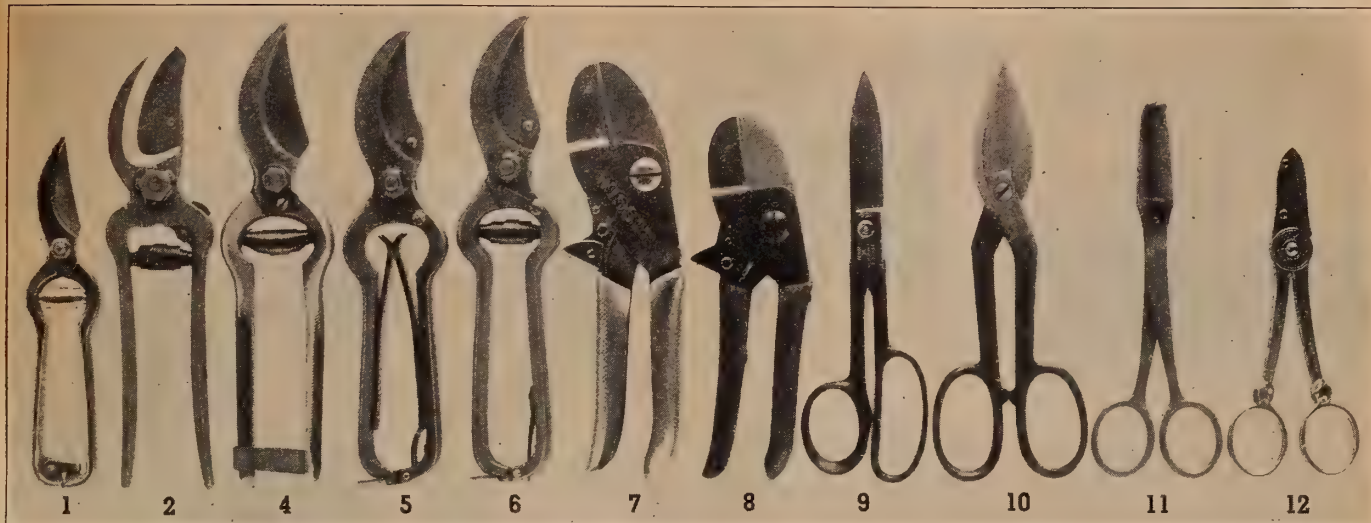
SYRINGES—Brass.



Each
 No. 0. Length 12½ in.; 15-16 in. in diam..... \$3.75
 No. D. 15½ in. long, 1½ in. in diam..... 5.25
 No. 5. Best for general greenhouse use..... 8.50
 No. 11. 18 in. long, 1 stream, 2 sprays..... 7.50



Moisture Gauge tells how and when to water your house plants. Many plants die every year from improper watering. Makes it easy to grow healthy house plants. Just insert Plant Doctor into the pot up to the ridge. Watch gauge revolve behind red line, it says Wet, Moist, or Dry, depending on soil condition. Each, 25c; six for \$1.25.



Garden Tools

HAND PRUNING SHEARS

Illustrated above.

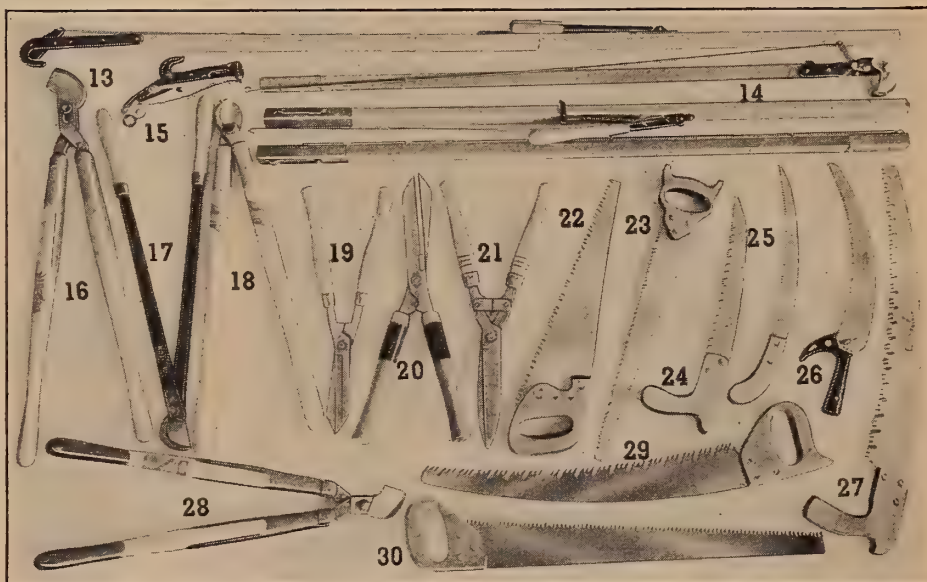
- No. 1—Ladies' 6-inch Nickel Plated Pruning Shear, each, \$1.75; postpaid, \$1.85.
- No. 2—Porter Professional High Grade Pruning Shear, 9-inch, each \$4.00; postpaid, \$4.10.
- No. 4—Pruner, parrot beak blade, full polish tempered steel blade. Very high grade shear, 9-inch. Price \$3.25 each; postpaid, \$3.35.
- No. 5—American-made full polish brass spring with ratchet, each, \$2.00; postpaid, \$2.10.
- No. 6—American-made full polish, 9-inch, with ratchet coil spring, each, \$1.85; postpaid, \$1.95.
- No. 7—Heavy duty Snap Cut Pruner, each, \$2.00; postpaid, \$2.10.
- No. 8—Wiss high power Pruner, gun metal finish each, \$1.10; postpaid, \$1.20. Full polish, each, \$2.00; postpaid, \$2.10.

CUT FLOWER SHEARS

- No. 9—Flower or Wire Scissors, each, \$1.75; postpaid, \$1.85.
- No. 10—Tinner or Wire Snips, each, \$1.75; postpaid, \$1.85.
- No. 11—Flower Gatherer, holds the cut stem, large size, each, \$1.00; postpaid, \$1.10.
- No. 12—Flower Gatherer, holds the cut stem, nickel plated, each, \$2.00; postpaid, \$2.10.

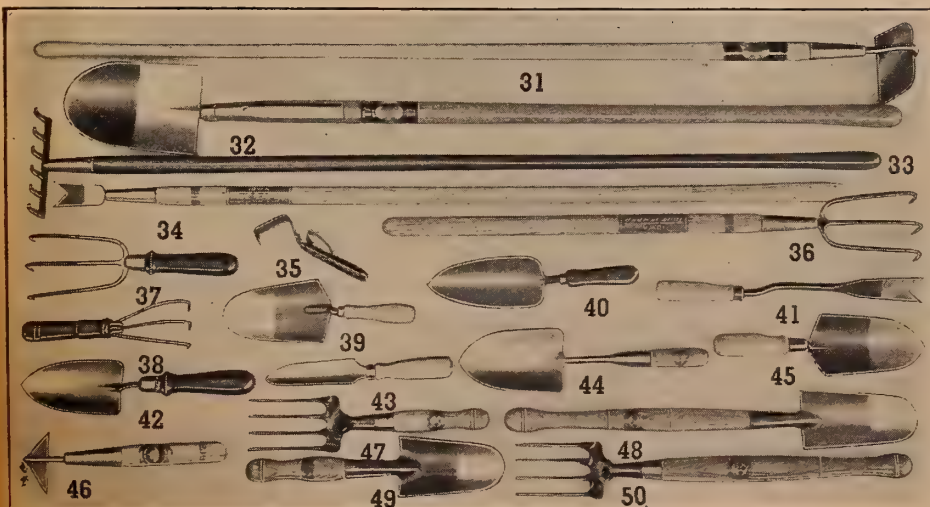
TREE AND HEDGE PRUNERS

- No. 13—Waters Tree Pruner, 6-ft. pole, each, \$2.75.
- No. 13A—Same as No. 13, 8-ft. pole, each, \$3.00.
- No. 13B—Same as No. 13, 10-ft. pole, each, \$3.20.
- No. 13C—Same as No. 13, 12-ft. pole, each, \$3.45.
- No. 14—Bartlett Tree Pruner, 12-ft., three 4-foot poles jointed, complete, each, \$7.50.
- No. 15—Telephone Pruner Head, can be attached to any pole, each, \$2.85.
- No. 16—Clyde Draw Cut Pruner, 24-inch handles, each, \$4.25.
- No. 17—Disston All Steel Pruner, wood handles, 28 inches over all, each, \$3.85.
- No. 18—Double Cut Brush Pruner, 30-inch, each, \$3.25.



- No. 19—Ladies' Hedge Shears, full polished serrated blade, each, \$1.75.
- No. 20—American Made Hedge Shears, with pruning notch, best quality, 8½-inch, each, \$1.85.
- No. 20B—Same as No. 20, 10-inch, each, \$2.35.
- No. 21—Wiss Highest Quality English Pattern Hedge Shears, shock-proof, with metal covered shock absorbers with pruning notch, 8½-inch, each, \$3.25.
- No. 21A—Same as No. 21, 9½-inch, each, \$3.50.
- No. 22—Tuttle Tooth Pruner, 20-inch, each, \$3.50.
- No. 23—Double Edge Pruning Saw, Silver Steel 16-inch blade, each, \$1.85.

- No. 23A—Same as No. 23, 18-inch blade, each, \$2.00.
- No. 23B—Same as No. 23, 20-inch blade, each, \$2.25.
- No. 24—Handy All Round Pruning Saw, each, \$2.00.
- No. 25—Hand-Curved Pruning Saw, each, \$1.85.
- No. 26—California Pole Pruner, each, \$2.75.
- No. 27—Utility Speed Pruner, 26-inch, each, \$4.75.
- No. 28—Buckeye Pruner, 20-inch handles, each, \$2.25.
- No. 28A—Same as No. 28, 26-inch handles, each, \$2.75.
- No. 29—Utility Speed Pruner with D handle, each, \$4.25.
- No. 30—Forester Pruner, makes heavy pruning easy, 26-inch blade, each, \$2.65.



PLANTING AND CULTIVATING TOOLS

- Nos. 31, 32 and 33—Three Piece Ladies' Garden Set, consisting of rake, spade and hoe, set of three, \$2.75.
- No. 34—Long Handled Weeder, each, \$1.15.
- No. 35—Lang's Weeder, each, 30c.
- No. 36—Eureka Weeder, long handle, each, 85c.
- No. 37—Eureka Weeder, short handle, each, 65c.
- No. 38—Magic Weeder, each, 25c.
- No. 39—Polished Garden Trowel, each, 35c.
- No. 40—Imported Steel Shank Trowel, unpolished, each, 60c.
- No. 41—Asparagus Knife or Dandelion Digger, notched edge, each, 50c.
- No. 42—Ladies' True Temper Trowel, each, 85c.
- No. 43—Transplanting Trowel, each, 30c.
- No. 44—Forged Steel Shank Trowel, each, \$1.00.
- No. 45—All Steel One-Piece Trowel with wood handle, each, \$1.00.
- No. 46—Cultivator or Tree Scraper, each, 60c.
- No. 47—Imported English Marple Four Prong Fork, with hard wood varnished handle, each, \$1.00.
- No. 48—Imported English Marple Trowel, with hard wood varnished handle, each, \$1.15.
- No. 49—Imported English Marple Trowel, with hard wood varnished handle, each, \$1.00.
- No. 50—Imported English Marple Fork, with hard wood varnished handle, each, \$1.15.

Vaughan's Wick-fed

METAL SEED STARTER



View of Wick-fed Starter with Plant Bands. Size, 12x18 inches, 4 inches high.



How wick is placed in bottom of starter.



End view showing water pan below.

COMPLETE, WITH FIBRE GLASS WICK, 60 PLANT BANDS, AND SPHAGNUM MOSS, \$2.25 PREPAID FOR

This seed starter must not be confused with the fragile, impractical pasteboard devices which have disappointed so many customers. This is a full size "flat," made of heavy metal to last for years, covered with a rust-resisting enamel of pale green, which you will be glad to have in your sun parlor or living room window.

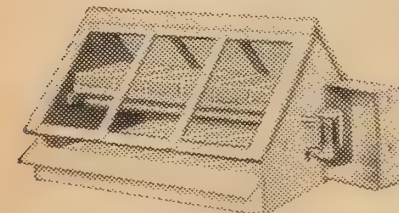
It makes use of two of the most recent scientific developments in seed starting: 1. Wick-feeding of water, which keeps the soil at just the right moisture, never drying out, never too wet, and never dripping dirty water from an overflow. 2. The use of sphagnum moss to prevent damping off of seedlings, highly recommended by the U. S. D. A.

As shown in the illustrations, water is supplied to the soil from a pan placed underneath the starter, by the agency of capillary attraction, through a fibre glass wick, the top of which is frayed and embedded in the soil, the lower end being immersed in water in the pan below. Any suitable pan, saucer, or dish can be used.

Fill this container with water daily, and the wick will do the rest. This method of watering leaves nothing to chance, or judgment, and solves in the easiest imaginable way one of the most serious problems of seed-box management. It has been thoroughly tested by Cornell University. The wick will last indefinitely.

Seeds may be sown in the starter in rows, broadcast or, as shown in the illustration, in plant bands. If started in plant bands, and grown one plant to a band, sturdy full size pot plants will be produced without transplanting. Seedlings may be easily transplanted into plant bands, if preferred. Start the seedlings in a small box, or get two seed starters, using one in which to start seeds, the other in which to transplant. Complete instructions for the management of the starter with detailed directions for a long list of subjects with each starter.

KEENE PORTABLE PLANT STARTERS



Two popular sizes, have controlled hot water heat with a choice of either oil lamp or electric unit, a thermostatic control assures uniform and economical heat with slight attention even in freezing weather.

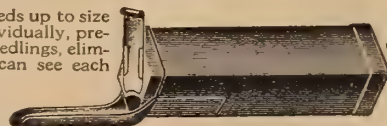
Model O—Holds 12 Keene flats size 31x30 inches, 26 inches high. Oil model, \$21.95. Electric model \$23.95.

Model I—18 flat size, 31x41 inches, 26 inches high, shipping weight 85 lbs. Price with oil burning unit, \$25.95. Model 10, same size with electric unit, \$27.95. Model 2—30 flat size, 31x67 inches, 26 inches high, shipping weight 125 lbs. Price with oil burning unit, \$31.95. Same size with electric unit, \$33.95.

Flats. For portable plant starters, each, 17c.

NEW HANDY SEEDER

This little handy seeder will sow seeds up to size of sweet peas, scatters seed individually, prevents crowding and choking of seedlings, eliminates guess work because you can see each seed drop, no matter how fine. Saves time because you can sow seeds twice as fast. Price, each, 60c, postpaid.



SOWRITE SEEDS SOWER MODEL B

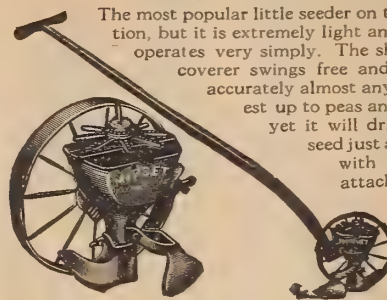
SOWS SEEDS AT A TOUCH

SOWRITE Model 1923. Made of copper, nickel plated, for all seeds up to size of sweet peas; scatters seed individually; prevents crowding and choking of seedlings; eliminates guess work because you can see each seed drop no matter how fine; saves time because you can sow seeds twice as fast. Price, 60c, postpaid.



MIDGET SEEDER WITH HANDLE

The most popular little seeder on the market. It is all metal construction, but it is extremely light and easy to lift about or to empty. It operates very simply. The shoe is adjustable for any depth, the coverer swings free and does its work nicely; will handle accurately almost any kind of garden seed from the smallest up to peas and beans. The hopper holds one pint, yet it will drill out clean a five-cent package of seed just as well as a hopper full. It is equipped with a 4 1/2-foot handle. Full directions attached to every Seeder.



Price, \$4.95

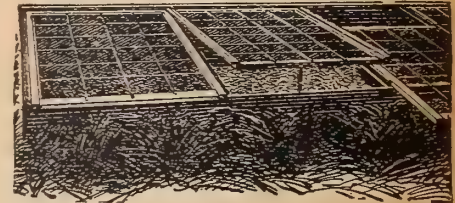
HANDY IMPROVED SEED STARTER

Two sturdy, attractive water-proofed cardboard boxes 10 1/2 x 7 1/2 x 1 1/4" deep. The box is printed in dark wood brown and is covered with two color display sleeve. There are 24 seedling trays. The trays are 2 1/2" deep giving more room for roots to grow. Base trays thoroughly waxed inside and out and absolutely leak-proof. Name tabs are included for each tray. Complete instructions and planting charts are printed on the sleeve. Price each, 50c; postpaid, 60c.



HOTBED SASH

HOTBED SASH. 3x6 feet, 1 1/4 inches thick, made from clear grade genuine tidewater gulf Red Cypress, for three rows 10 inches wide glass, lapped, nailed together with white-leaded joints, reinforced across the center with galvanized flat steel bar; open, unglazed, each \$3.20; 3 for \$9.00; doz., \$31.60. Glazed, painted one coat, 10x14 inches double strength flat drawn greenhouse glass, each, \$6.25; 3 for \$18.00; six, \$34.00.



HEATING CABLE

Electric cable for heating hotbed. New type Okobestos, corrosion proof, nickel chromium wire, felted asbestos insulation, lead sheath. Sixty feet heats 6x6 ft. bed. Price F. O. B. Chicago, \$6.00. Extra cable, per ft., 10c. Complete installation instructions furnished.—**Thermostat.** General electric soil heating, to control cable heat; 110 or 230 volt, A. C. Will handle up to ten beds. F. O. B. Chicago, \$11.00.

SEED FLATS. Made from genuine Red Cypress, knocked down, bundled in bundles of 20 flats each, with nails.

	Inside Dimensions	Per Bundle of 10
No. 2.	22 3/8 x 15 x 2 3/4 inches	\$3.40
No. 1.	20 x 14 x 2 3/4 inches	3.00
No. 2-A.	22 3/8 x 15 x 3 inches	3.60
No. 1-A.	20 x 14 x 3 inches	3.40

In less than bundle, 3c per flat additional.

VITAPANE

A flexible glass substitute; transparent all purpose window material, withstands wind, snow and rain, allows more light, permits easy inspection. Put up in rolls 36 inches wide. Price per 50 ft. roll, \$9.25. 1/2 roll \$5.00.



CEL-O-GLASS

Will take the place of glass in hotbed sash, garage and barn windows, storm doors, and for many other purposes, at a great saving. Unbreakable and very light in weight. No glazing. Hammer and tacks are the only tools you need. Put up in rolls 3 feet wide up to 100 feet long. Price per square yard, \$1.35; 25 ft. roll 3 ft. wide, \$9.75; 100 ft. roll, \$35.00.



GLAZING POINTS. Vaughan's Perfection. No rights or lefts; No. 2, small, for single thick glass; No. 2 1/2, double thick, for greenhouses and skylights. Price per box of 1 lb., 75c; by mail, 80c. Siebert's Improved. Easy to drive, and will not wedge or crack glass, 2 sizes, 5/8 and 3/4 inch long. Price per lb., 70c; by mail, 80c.

HOTBED MATS AND VIO-RAY WINDOW FABRIC

Water-proof Duck and Burlap Hotbed Mats. A combination of heavy-weight burlap on one side and heavy waterproof duck on the other side, for protecting hotbeds, easy to handle, wears for years.

Size, 40x78 inches. Each, \$3.75; doz., \$42.00.
Size, 78x80 inches. Each, \$6.25; doz., \$72.00.

WINDOW FABRIC VIO-RAY. A strong fabric treated by a patented process to make it transparent, weather-proof and water-proof. It costs much less than glass and for many purposes is superior. Anyone can put it up. It comes in rolls 36 inches wide and any length. Per yd., 43c; 10 yd. roll, \$4.10; 25 yds., \$10.00.

Vaughan's Fancy Grasses and Field Seeds

All Prices Prepaid, Except where Specifically Noted.

Fancy Kentucky Blue Grass

POA PRATENSIS

Extra Heavy Sun-Cured Seed. Specially re-cleaned. Price, ½ lb., 25c; 1 lb., 45c; 3 lbs., \$1.35; 5 lbs., \$2.20; 10 lbs., \$4.00; 15 lbs., \$5.90; 20 lbs., \$7.75; 25 lbs., \$9.50; 50 lbs., \$17.00.

Fancy Seed, actual weight, 21 lbs. per bu. (Standard grade of re-cleaned blue grass.) Price, ½ lb., 20c; 1 lb., 35c; 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.00; 15 lbs., \$4.40; 20 lbs., \$5.80; 25 lbs., \$7.15; 50 lbs., \$14.00.

CANADA BLUE GRASS (*Poa compressa*)

Valuable on poor soils and clay. It does not make so dense a growth as the Kentucky Blue Grass, and color is not so pleasing. Used particularly for pastures. Sow 40 to 60 lbs. per acre for pasture; in Fall or Spring. Price, 1 lb., 40c; 3 lbs., \$1.15; 5 lbs., \$1.85; 10 lbs., \$3.50; 25 lbs., \$8.25; 50 lbs., \$15.00.

WHITE CLOVER

White Clover prices are high again because of reduced importation.

Extra Fancy Seed. Price, ¼ lb., 35c; ½ lb., 65c; 1 lb., \$1.25; 2 lbs., \$2.50; 3 lbs., \$3.70; 5 lbs., \$6.00; 10 lbs., \$11.75; 15 lbs., \$17.25; 20 lbs., \$22.40; 25 lbs., \$27.00.

Choice. Price, ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.15; 2 lbs., \$2.30; 3 lbs., \$3.40; 5 lbs., \$5.50; 10 lbs., \$10.75; 15 lbs., \$15.75; 20 lbs., \$20.40; 25 lbs., \$24.50.

RED TOP GRASS (*Agrostis alba*)

Extra Fancy, re-cleaned solid seed. Price, ½ lb., 20c; 1 lb., 30c; 3 lbs., 85c; 5 lbs., \$1.35; 10 lbs., \$2.50; 15 lbs., \$3.65; 25 lbs., \$5.75; 50 lbs., \$10.00.

Rye Grasses

Use all rye grasses at the rate of 30 to 40 lbs. per acre for pastures and 5 to 7 lbs. per 1000 sq. ft. for lawns. Sow either fall or spring.

English or Perennial Rye Grass (*Lolium perenne*). A lawn grass where quick results are wanted. Price, 1 lb., 30c; 3 lbs., 85c; 5 lbs., \$1.35; 10 lbs., \$2.50; 15 lbs., \$3.65; 20 lbs., \$4.75; 25 lbs., \$5.75; 50 lbs., \$10.75; 100 lbs., \$20.00.

Common Rye Grass. The Italian type of rye grass, grown in this country. An annual, generally lasting a second year. Develops rapidly. Used in the south for Winter lawn grass. Sow in October in the south, Spring or Fall in the north. Price, 1 lb., 25c; 3 lbs., 70c; 5 lbs., \$1.10; 10 lbs., \$2.00; 15 lbs., \$2.90; 20 lbs., \$3.50; 25 lbs., \$4.00; 50 lbs., \$7.50.

Fescues

★**CHEWING'S FESCUE (NEW ZEALAND GROWN).** This grass is valuable on sandy soils and in shade. Chewing's Fescue is a perennial with a fine blade and a spreading root system. Sow either Spring or Fall (last week in August or the first week in September) at the rate of 5 lbs. to 1,000 sq. ft. Price, 1 lb., 75c; 2 lbs., \$1.50; 3 lbs., \$2.20; 5 lbs., \$3.55; 10 lbs., \$6.90; 15 lbs., \$10.00; 20 lbs., \$13.00; 25 lbs., \$15.75; 50 lbs., \$30.00.

★**CREEPING RED FESCUE.** One of the best fescues obtainable, it spreads from the roots, making a dense turf which tends to crowd out weeds. Does well in sun and shade and is good on sandy soil. Price, 1 lb., 95c; 2 lbs., \$1.90; 3 lbs., \$2.80; 5 lbs., \$4.55; 10 lbs., \$8.90; 15 lbs., \$13.00; 20 lbs., \$17.00; 25 lbs., \$20.75; 50 lbs., \$40.00.

Nu Green

A grass disinfectant for brown patch prevention and control. 3 oz. tin, 40c; lb., \$1.45; 5 lbs., \$6.85; 25 lb. pail, \$31.25; 100 lb. drum, \$117.50. Write us for booklet.

ROOTONE

We will supply treated seed at 5c per lb. extra.

FOR SOUTHERN LAWNS

Bermuda Grass (*Cynodon dactylon*). The grass for southern lawns and pastures; hard to kill; resists drought. Should be planted for permanency only in the south; winter kills in the north. Sow in Spring, 100 lbs. per acre for lawns (30 lbs. to bushel). Price, 1 lb., 45c; 2 lbs., 90c; 3 lbs., \$1.30; 5 lbs., \$2.15; 10 lbs., \$4.25; 25 lbs., \$9.75; 50 lbs., \$18.50; 100 lbs., \$35.00.

Winter Grass. For a winter grass in the south use rye grass or red top.

CLOVERS AND ALFALFA

(Northern Grown)

Medium Red. (Purity 99.50 or better). Sow at the rate of 8-10 lbs. per acre. Price, 1 lb., 35c; 5 lbs., \$1.50—Postpaid. By Freight collect, peck, \$3.90; bu., \$15.25; 3 bu. at \$15.00—Bushel sacks free.

Alsike Clover. (Purity 97% or better). Sow at the rate of 5 to 6 lbs. per acre. Price, 1 lb., 40c; 5 lbs., \$1.75—Postpaid. By Freight collect, peck, \$4.25; bu., \$16.20; 3 bu. at \$16.00.

Alfalfa Seed. Common or Grimm. We carry a complete line. Write for prices on the varieties in which you are interested.

Write for Complete Price List of Field Seeds or let us know your requirements and we will be glad to quote special quantity prices. Purity and Germ. Tests made in our own laboratories.

Miscellaneous

Awnless Brome Grass (*Bromus inermis*). Very strong, quick growth, making two crops of very abundant pasture. Has proven very valuable for pasture when sown with alfalfa. Good in very sandy soils because of its strong spreading root system. Not a lawn grass. Sow in the Spring, 2 bushels per acre (14 lbs. per bushel). Price, 1 lb., 35c; 5 lbs., \$1.55; 10 lbs., \$2.75; 25 lbs., \$6.00; 50 lbs., \$12.00; 100 lbs., \$23.00.

Timothy (*Phleum pratense*). Most popular of all hay grasses. Vaughan's Fancy seed (99.5% pure or better). Price, 1 lb., 25c; 2 lbs., 40c; 3 lbs., 55c; 5 lbs., 85c; 10 lbs., \$1.60; 1 bu., \$5.75 (45 lbs.); 100 lbs., \$12.00. Timothy not prepaid in lots of 1 bushel and over. Grain bags 35c each extra.

Red Canary Grass. A fine perennial for hay or pasture on low marshy land. Use 5 to 8 lbs. per acre broadcast, and 3 to 5 lbs. with drill. Sow early in Spring or August, September. Ask for prices.

Sudan Grass. Sow 35 lbs. per acre. Makes an excellent emergency hay crop. Can be sown any time from May 20th, to June 20th. It withstands long periods of drought. 1 lb., 20c; 5 lbs., 55c, postpaid. By freight, collect; 10 lbs., 70c; 100 lbs., \$5.00; sacks included.

Dwarf Essex Rape. Makes a quick pasture and is very valuable feed. Ideal for sheep, hogs and cattle. Sow in early spring. 5 to 10 lbs. per acre, or with spring grain, 2 lbs., per acre. 1 lb., 40c; 5 lbs., \$1.75, postpaid. By freight, collect; 10 lbs., \$3.00; 100 lbs., \$25.00.

Winter Vetch. A very valuable leguminous plant, especially for lighter soils. Can be sown spring or fall. Sow 15 to 20 lbs. of Vetch and ½ bushel grain, per acre. Makes splendid hay. 1 lb., 30c; 5 lbs., \$1.00, postpaid. By freight, collect; 10 lbs., \$1.60; 100 lbs., \$14.00.

BIRD SEED

Canary Seed. 1 lb., 25c; 5 lbs., \$1.15; 10 lbs., \$2.10; 25 lbs., \$4.75.

Rape. Large—sweet (not bitter like the small black). 1 lb., 35c; 5 lbs., \$1.65; 10 lbs., \$3.10; 25 lbs., \$7.25.

Hemp. 1 lb., 25c; 5 lbs., 90c; 10 lbs., \$1.60

Sunflower. 1 lb., 20c; 5 lbs., 90c; 10 lbs., \$1.60; 25 lbs., \$3.50.

Vaughan's Special Canary Mixture. 1 lb., 35c; 5 lbs., \$1.20.

Finch Seed. 1 lb., 25c; 5 lbs., 95c; 10 lbs., \$1.65.

Parakeet Seed. 1 lb., 25c; 5 lbs., 95c; 10 lbs., \$1.65.

Vaughan's Wild Bird feeding Mixture (as recommended by the Illinois Audubon Society). 1 lb., 10c; 5 lbs., 45c; 11 lbs., \$1.00; 100 lbs., \$8.50.

Prices do not include Postage. See table at the back of book for rates.

Let us help you solve your lawn and golf grass problems. Advice gladly given on handling fertilizer problems, and combating insect and disease attacks.

All Grasses and Field Seed Prices Are Subject to Change Without Notice.

Quality Perfumes

ALL AMERICAN

If your favorite imported perfume is no longer available, we recommend a trial of Vaughan's Natural Floral Perfumes. We invite direct comparison with any imported perfume regardless of price. Many women of prominence in society, on the stage, and radio, regularly purchase these perfumes for their own use and for gifts to their friends.

Note particularly the fragrances marked * which fully take the place of the better French blends and bouquets which can no longer be had from abroad.

PERFUME PRICES		COLOGNE PRICES	
1 Dram.....	.50c	1 Ounce.....	.35c
2 Drams.....	.90c	4 Ounces.....	1.00
½ Ounce.....	1.60	½ Pint.....	1.85
1 Ounce.....	3.00	1 Pint.....	3.00

(An ounce contains eight drams)

NOTE: Add 10% Federal Excise Tax to Retail Perfume Prices.

These prices postpaid to any point in the United States. Prices are based on plain containers. Gift Box included.

THE FOLLOWING ODORS ARE AVAILABLE IN EITHER COLOGNE OR PERFUME

(Cologne is about one-eighth the strength of perfumes (about double the strength of ordinary toilet water). It is used wherever a perfumed lotion is wanted—in the bath, on linens, or as a refreshing lotion.

Appleblossom: Soft, yet fresh and clean.
***Bouquet S:** A delicately feminine blend rich floral oils that in France and America is accepted as the leading type of odor in the better shops.

***Bouquet X:** Another blend, slightly "drier" and less sweet. An exotic fragrance preferred by women accustomed to the better French perfumes.

Carnation: Many acknowledge it as the best recreation of this beloved old favorite.

Forest Breeze: A smoky, piney fragrance—the scent of a pine forest on an autumn day.

Freesia: We are proud to have captured the elusive scent of this delicate flower.

Vaughan's Sampler: To prove to our customers the high quality of our perfumes, we have assembled a "Sampler" collection, featuring our ten leading fragrances, a full one-eighth dram of each, enough for several applications. All ten fragrances, \$1.00 postpaid.

Gardenia: Not sweet like so many "Gardenia" perfumes—a rich, intense odor.

Geranium: Like a crushed leaf of the green plant.

***Hawaiian Lei:** A lovely blend of exotic tropical flowers.

***Heather:** A rich "smoky" or "peaty" fragrance that goes well with sport clothes.

Hyacinth: The most accurate recreation of this flower we know.

Lavender: The well-known English type, no sweet or "musky" like so many near-lavenders

Lilac: Lilacs wet with morning dew. Fresh and leafy—our largest selling odor.

Lily of the Valley: At last, a satisfactory reproduction of this elusive scent.

Magnolia: The veritable fragrance of the Southern Magnolia—rich and lush.

Nicotiana: Reproduced with astonishing fidelity. The well-known "Sweet-scented Tobacco."

Parma Violet: A favorite for generations with women of wealth and refinement.

Red Rose: The Damask Rose type.

Sweet Pea: The true fragrance of the original Spencer sweet pea.

Violet: The English violet, softer than the Parma type.

Wild Rose: Like the breeze through a Sweet Briar hedge in June.

***Zanzibar:** Like a clipper ship laden with rare oriental woods and the spices of the Indies.

American Soaps of Imported Quality

Six 3-Ounce Cakes, Your Choice of Fragrances, in Black and Gold Gift Box, \$1.10. Three 6-Ounce Cakes, Your Choice of Fragrances, in Black and Gold Gift Box, \$1.00. Either Mailed to Your Order For 15 Cents Extra.

War and embargo which have stopped all imports need not deprive you of the pleasure of using quality soaps today.

Made in the best European tradition, as high in quality as the pre-war imported soaps of thirty years ago, Vaughan's Floral Scented Soaps can be used with confidence by those accustomed to these luxury products. Yet the cost is less than one-third that of soaps of equal quality.

Made from the same fine oils used in our Perfumes and Colognes. Fragrances available include the following (see descriptions under Perfume list above).

Carnation, Lilac, Lavender, Geranium, Violet, Zanzibar.

Also Lemon Verbena, the favorite lemon-and-green leaf fragrance, a favorite with English women for centuries.



Six 3-Ounce Cakes, Your Choice of Fragrances, in Black and Gold Gift Box, \$1.10. Mailed to Your Order For 15 Cents Extra.

Prices: 3 oz. cake, 20c. (Add 3c for postage). 6 oz. cake, 35c. (Add 6c for postage).



"Personalized Perfumes"

Dram, \$1.50; Ounce, \$10.00

We take pleasure in offering this group of highly individual, specially blended odors, which while not exactly matching the perfume of particular flowers, do express the enchanting fragrance of gardens and woodlands.

***Calcutta:** Intended for introduction by an exclusive Parisian firm, we purchased the oils carried out of France just before the collapse. An exceptionally smooth, mellow bouquet of the French type.

***Victoria Regina:** Based on the formula for the consecrated oil used in anointing Queen Victoria at her coronation. Rich and fragrant. Not for the igneous.

***Song of the Heart:** A dry, woody fragrance with no trace of sweetness, yet definitely not heavy. A perfume of unusual distinction.

L. H. VAUGHAN, PRES.
CABLE ADDRESS
VAUGHAN, CHICAGO
CAROTIDA, NEW YORK

Vaughan's Seed Store

CARL CROPP, V. PRES.
NEW YORK,
47-49 BARCLAY ST.

GREENHOUSES AND NURSERIES,
WESTERN SPRINGS, ILL.

GENERAL OFFICES AND WAREHOUSES
601-609 WEST JACKSON BLVD., CHICAGO

CHICAGO LOOP STORE
10-12 W. RANDOLPH ST

How to Order

How to Order: Please follow these instructions, and fill out order sheets carefully.

Seed and Bulb Orders: Write quantities distinctly in the column provided and attach prices.

Plant and Tree Orders: State quantity, size or age of each variety, with prices attached.

C. O. D. Orders: Owing to extra collection cost we do not fill C. O. D. orders for less than \$5.00, and all C. O. D. orders must be accompanied by 25% of the amount in cash.

We do not ship Trees, Plants, or any other perishable stocks C. O. D.

Remittance: Please remit by money order or certified check. Do not send currency unless registered.

Mistakes: If there is any error in filling your order, write us at once with correct copy of order, for quick investigation.

Express Shipments: General orders for garden seeds with heavy weights of corn, beans, fertilizers, etc., should go by express, also all shipments containing breakables. Orders over 5 lbs. going to 5th Zone travel cheaper by express than parcel post.

All Trees, Shrubs and Hardy Plants are shipped as soon as weather permits. Tender plants from Greenhouses for bedding, etc., are shipped usually after May 15th. (Southern shipments any time after February.) State plainly date and manner of shipping you wish.

Parcel Post: Fourth Class Mail Matter, which includes seeds, plants, bulbs, roots, books, tools, insecticides, odorless fertilizers and requisites, may be forwarded by domestic parcel post within the United States.

DELIVERY

All flower seeds prepaid.

All vegetable seeds up to 2 lbs. prepaid. Over 2 lbs., by express or freight at buyer's expense.

All bulbs and Dahlias, bought at single and dozen prices, are prepaid to fifth zone from Chicago or New York. Larger quantities by express at buyer's expense. Exceptions to this rule are specifically noted in the offers.

All Water Lilies by mail or express at buyer's expense, except where otherwise specifically stated.

All Roses, Trees, Shrubs, Perennial and Annual Plants are shipped from Western Springs at buyer's expense.

All tools and supplies, including insecticides and fertilizers (except as specified on page 108), are F. O. B. Chicago or New York and shipped at buyer's expense.

All lawn seed is prepaid to any part of the U. S. A.

These special Free Deliveries do not include C. O. D. shipments, which travel at buyer's expense.

Our Responsibility: It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially for seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

We wish it understood that all our stocks are sold under the following conditions: VAUGHAN'S SEED STORE, Inc., gives no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants it sells, and will not be responsible for the crop; and it gives no warranty, express or implied, as to fertilizers, other than in respect to analyses or other data expressly and lawfully required of the seller by statutes.

DOMESTIC PARCEL POST RATES		First pound or fraction	Each additional pound or fraction
On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions.			
Local—Chicago or New York City.....		7c	1c (2 lbs.)
First and Second Zone within 150 miles of either.....		8c	1.1c
Third Zone within 150 to 300 miles.....		9c	2.9c
Fourth Zone within 300 to 600 miles.....		10c	3.5c
Fifth Zone within 600 to 1000 miles.....		11c	5.3c
Sixth Zone within 1000 to 1400 miles.....		12c	7c
Seventh Zone within 1400 to 1800 miles.....		14c	9c
Eighth Zone all over 1800 miles.....		15c	11c
Canada.....		14c	14c

Parcel Post Rates By Zones

Vaughan's Seed Store at Chicago and New York covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

All parcels under 8 ounces are prepaid everywhere in the United States FREE. BUT seeds ordered at peck, bushel or five-pound rates, or bought in even larger quantities at cheaper prices, should go by freight, when possible, at buyer's expense.

To liberal orders from distant points WE ADD FREE, SPECIAL NEW VARIETIES of value to partly cover postage or express charges.

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Phlox Von Hochberg, 3 for \$1.50

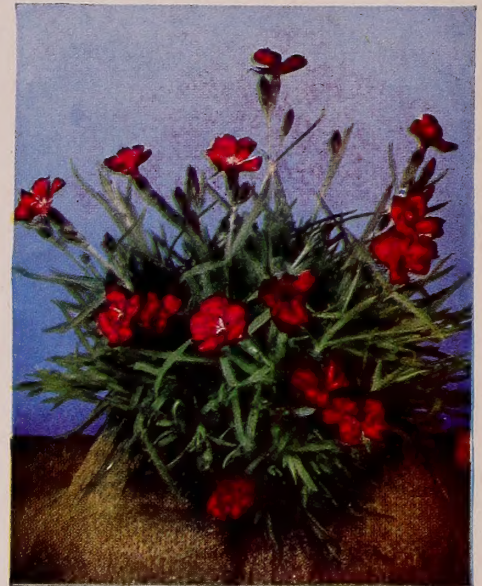


Phlox, Bridesmaid, 3 for 85c

Six Perennial Phlox \$1.75

(Postpaid, Value \$2.25)

One each of the following varieties: Von Hochberg, large red; Bridesmaid, white with red center; Lillian, light salmon pink; Feuerbrand, bright scarlet; Royal Purple, light purple; Nordlicht, bright rose pink, deeper center. See index for Phlox List.



Dianthus Little Joe



Shasta Daisy Chiffon

Chiffon. 2 ft. The flowers, 2 inches across, have fringed and laciniated petals, interlaced, see picture. Long flowering period. Needs winter protection. 3 for \$1.25; doz., \$4.00.

Dianthus

Little Joe. The most interesting recent Dianthus introduction. 3 inches high with blue spiny foliage; single, deep crimson flowers. Blooms heavily and continually from spring until frost. Disease resistant. Each, 65c; 3 for \$1.75; doz., \$5.25.



Aster Harrington's Pink

Hardy Carnation

Beatrix. 16 in. Has large, double, pale salmon-pink blooms, very fragrant and giving an abundance of bloom all summer. 3 for \$1.00; doz., \$3.50.

Crimson King. 2 ft. Closely resembling a Carnation in size and habit of growth. Large, fragrant, bright crimson blooms of velvety appearance borne in profusion in June and continuing until heavy frost. 3 for \$1.00; doz., \$3.00; 100, \$20.00.

Silver Mine. Produces pure white flower on 8 to 10 inch stem. Deep green foliage; it is a prolific bloomer. One of the most striking recent introductions. Each, 65c; 3 for \$1.75; doz., \$5.25.



Carnation Crimson King, all summer bloomer, bright crimson. Plants, each, 35c; 3 for \$1.00; doz., \$3.00.



Heliopsis Patula Golden Rays

Asters

Hardy Asters, flowering in the fall, have made remarkable advances. The first true pink, an American production, is now available. For complete list of Hardy Aster Seeds and Plants, see Index.

Beechwood Challenger. (New). 2½ ft. Darkest red of all. 3 for \$1.00.

Frikarti (Wonder of Stafa). 2 ft. Amellus type. Large sky-blue flowers in profusion from September till late October. A famous and valuable variety. Each, 60c; 3 for \$1.50.

Harrington's Pink. First true pink hardy Aster. Large flowers of luminous true pink, first of this color on bushy plant. 3 for \$1.25; doz., \$3.75.

Mount Everest. 3 ft. Best white variety. Large flowers. 3 for \$1.00.

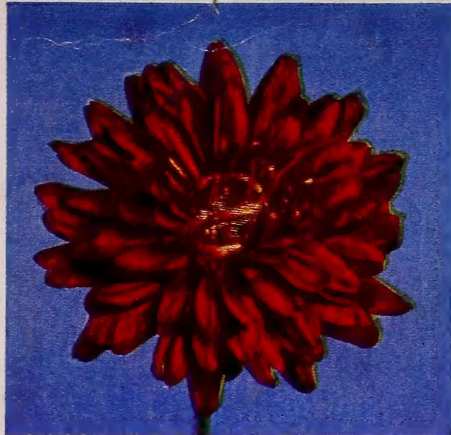
Skylands Queen. 3 ft. Pale blue. Largest flowers and heaviest bloomer of all. 3 for 85c.

Heliopsis Patula

Golden Rays. A long summer's crop of semi-double golden yellow flowers. Has extremely large flowers with two rows of incised petals. Each, 65c; 3 for \$1.75; doz., \$5.25.



CHRY. Flavita. (U. of C.) Each, \$1.00.



CHRY. Redbank. (U. of C.) Each, \$1.00.



CHRY. Sept. Bronze. Each, 35c.
Description, Page 91.

University of Chicago Chrysanthemums SET OF 12, \$10. (Each, \$1.00) BY EXPRESS COLLECT

Best of Thousands, Bred for Early Flowering and Winter Resistance. U. of C. Seedling Numbers Follow Names.

Barbara Small. (499) Clear rose pink, 3-inch double. Flowers well spaced. Late September.

Calendula. (189) Deep yellow, semi-double, 3 inches. Free flowering late September on.

Flavita. (487) Nearly double lemon yellow, flat flowers, 2 inches diameter. Low grower and free blooming from late September on. Excellent for borders.

Goldridge. (410) Double, deep golden yellow, 3 inches. Free flowering. Mid-Sept.

Harbinger. (134) Deep primrose, double flowers, 2½ inches. September on.

M. J. Costello. (259) Double flat flowers, golden yellow, reddish gold center in the bud. 2½ inches. Blooms early September.

Primula. (155) Single, primrose yellow, diameter 1½ inches. Large-branched clusters. Free flowering. Late September.

Polar Ice. (53) Glistening blue white with no trace of cream color, 2½ to 3 inches double. Very free flowering. Early September on.

Redbank. (438) Bright red, single yellow center. 2-inches. Blooming in mid-Sept.

Robt. Brydon. (439) Dark garnet red. Low, bushy, free flowering, about 2½ to 3 inches in diameter. September.

Tussore. (505) Large single, sea-shell pink with petals 2 inches long, upright, very free flowering grower. Late September on.

Wm. Longland. (456) Double, clear bronze, diameter 2½ inches, tall and upright. Long season, from mid-September on.



CHRY. Pohatcong. Each, 40c.



CHRY. Roberta Copeland. Each, 45c.



CHRY. Algonquin. Each, 40c.



CHRY. Tasiva. Each, 40c.



CHRY. Glomero. Each, 40c.



CHRY. The Moor. Each, 40c.

Six Earliest Double Chrysanthemums,

Catalogue Value \$2.45, By Express Collect \$1.95

One Each of the Varieties Illustrated above, as follows: Pohatcong. Lavender rose, blooms Sept. 18, Each 40c; Roberta Copeland. Tomato red, blooms Sept. 24, Each, 45c; Algonquin. Deep yellow, blooms Sept. 20, Each, 40c; The Moor. Maroon, blooms Oct. 5, Each, 40c; Tasiva white, blooms Oct. 7, Each, 40c; Glomero. Bronze yellow, blooms Sept. 26, Each, 40c. For complete list of Chrysanthemums, see page 91.